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itegrated FIRE SECURITY Solutions

Part 1 **Proposal Requirements**

Proposal

Schedule of Values

Licensing **Business Certificates NICET IV Certificate** Insurance ASIS; SIA and Product Certificate

Addendum #1 Work Included System Specifics RFP Bill of Materials/Quote

Product Documentation and Shop Cuts

Historical Seaport CCTV Drawing Revision #1 4/1/15

PART 1 PROPOSAL REQUIREMENTS



REQUEST FOR PROPOSAL

Sealed bids for the City of Key West Caroline Street and Bahama Village Community Redevelopment Agency (CRA) RFP #05-015 CCTV SURVEILLANCE SYSTEM, addressed to the City of Key West, will be received at the Office of the City Clerk, 3126 Flagler St., Key West Florida, 33040 until 3:00 pm on April 8, 2015 and then will be publicly opened and read. Any bids received after the time and date specified will not be considered.

Please submit one (1) original and two (2) flash drives each with one single PDF file of the sections entitled "Proposal Requirements" and "Contract Forms". Proposal package is to be enclosed in a sealed envelope, clearly marked on the outside "Proposal FOR" addressed and delivered to the City Clerk at the address noted above.

The project contemplated consists of providing all design, equipment, labor and materials necessary to accomplish the following:

 Design and Installation of a CCTV Surveillance System for the Key West Historic Seaport (KWHS) Exterior Common Areas and the Ferry Terminal Building and Grounds.

Drawings and Specifications may be obtained from Demand Star by Onvia. Please contact Demand Star at www.demandstar.com or call 1-800-711-1712 or www.cityofkeywest-fl.gov

A mandatory pre-bid meeting will be held in the conference room at the KWHS Port and Marine Services Offices, 201 William Street, Key West, Florida on March 25, 2015 at 2:30 p.m.

The successful Proposer will be required to furnish the necessary additional bond(s) for the faithful performance of the Contract, as prescribed in the Proposal Documents. The Proposer will also be required to furnish documentation showing that he is in compliance with the licensing requirements of the State and the provisions of Chapter 66 section 87 of the Code of Ordinances of the City of Key West. Compliance with these provisions is required before the Contractor can enter into the agreement contained in the Contract Documents. Specifically, Proposer shall demonstrate that he holds, as a minimum, the following licenses and certificates required by State Statute and local codes.

EACH PROPOSAL MUST BE SUBMITTED ON THE PRESCRIBED FORM AND ACCOMPANIED BY BID SECURITY AS PRESCRIBED IN THE INSTRUCTIONS TO PROPOSERS, PAYABLE TO THE CITY OF KEY WEST, FLORIDA, IN AN AMOUNT NOT LESS THAN FIVE (5) PERCENT OF THE AMOUNT PROPOSAL.

THE PROPOSER MUST BE A LICENSED CONTRACTOR BY THE STATE OF FLORIDA AND SUBMIT PROOF OF SUCH WITH THE PROPOSAL.

The Proposer shall furnish documentation showing that he is in compliance with the licensing requirements of the provisions of Chapter 66 Section 87 of the Code of Ordinances of the City of Key West; within 10 days the following the Notice of Award and must demonstrate that he holds at a minimum, the following licenses & certificates;

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- A. City of Key West Business Tax License Receipt
- B. A valid Certificate of Competency issued by the Chief Building Official of Key West, Florida.

All bid bonds, contract bonds, insurance contracts, and certificates of insurance shall be either executed by or countersigned by a licensed resident agent of the Surety or Insurance Company having his place of business in the State of Florida, and in all ways complying with the insurance laws of the State of Florida. Further, the said Surety or Insurance Company shall be duly licensed and qualified to do business in the State of Florida.

Before a Contract will be awarded for the work contemplated herein, the CRA will conduct such investigation as is necessary to determine the performance record and ability of the apparent low Proposer to perform the size and type of work specified under this Contract. Upon request, the Proposer shall submit such information as deemed necessary by the CRA to evaluate the Proposer's qualifications.

For information concerning the proposed work, or for appointment to visit the site of the proposed work, contact Karen Olson, Deputy Port and Marine Services Director, Key West Historic Seaport at 305-809-3803 or kolson@cityofkeywest-fl.gov.

As stated above at the time of the proposal submittal the Proposer must provide satisfactory documentation of State Licenses. The Proposer shall furnish documentation showing that he is in compliance with the licensing requirements of County, and City licenses as would be required within ten days of the award. The successful Proposer must also be able to satisfy the City Attorney as to such insurance coverage and legal requirements as may be demanded by the Proposal in question. The CRA may reject proposal for any and/or all of the following reasons: (1) for budgetary reasons, (2) if the proposer misstates or conceals a material fact in its bid, (3) if the proposal does not strictly conform to the law or is non-responsive to the bid requirements, (4) if the proposal is conditional, or (5) if a change of circumstances occurs making the purpose of the proposal unnecessary to the CRA. The CRA may also waive any minor formalities or irregularities in any proposal, (6) if such rejection is in the best interest of the CRA. The CRA may also waive any minor formalities or irregularities in any proposal.



INSTRUCTIONS TO PROPOSER

1. CONTRACT DOCUMENTS

A. **FORMAT**

The Contract Documents are divided into parts, divisions, and sections for convenient organization and reference. Generally, there has been no attempt to divide the sections into work performed by the various building trades, work by separate subcontractors, or work required for separate facilities in the project.

B. **DOCUMENT INTERPRETATION**

The separate sections contained within these Contract Documents are intended to be mutually cooperative and to provide all details reasonably required for the execution of the proposed work.

Should there be any doubt as to the meaning or intent of said Contract Documents, the Proposer should request of the Deputy Port and Marine Services Director, in writing (at least 10 working days prior to bid opening) an interpretation thereof. Any interpretation or change in said Contract Documents will be made only in writing in the form of Addenda to the documents which will be furnished to all registered holders of Contract Documents. Proposers shall submit with their Proposals, or indicate receipt of, all Addenda. The CITY will not be responsible for any other explanation or interpretations of said Documents.

2. GENERAL DESCRIPTION OF THE PROJECT

A general description of the work to be done is contained in the Request for Proposal/ Drawings. The scope is specified in applicable parts of these Contract Documents.

QUALIFICATION OF CONTRACTORS 3.

The prospective Proposers must meet the statutorily prescribed requirements before award of Contract by the CITY. Proposers must hold or obtain all licenses and/or certificates as required by the State and Local Statutes in order to bid and perform the work specified herein.

PROPOSERS UNDERSTANDING 4.

Each Proposer must inform himself of the conditions relating to the execution of the work, and it is assumed that he will inspect the site and make himself thoroughly familiar with all the Contract Documents. Failure to do so will not relieve the successful Proposer of his obligation to enter into a Contract and complete the contemplated work in strict accordance with the Contract Documents. It shall be the Proposer's obligation to verify for himself and to his complete satisfaction all information concerning site and subsurface conditions.

Proposer's representative must inspect site to determine potential re-use of existing power sources and conduit.

The CITY will make available to prospective Proposers upon request and at the office of the Deputy Port and Marine Services Director, prior to proposal opening, any information that he may have as to subsurface conditions and surface topography at the worksite.

Each Proposer shall inform himself of, and the Proposer awarded a Contract shall comply with, federal, state, and local laws, statutes, and ordinances relative to the execution of the work. This requirement includes, but is not limited to, applicable regulations concerning minimum wage rates, nondiscrimination in the employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and non-burning requirements, permits, fees, and similar subjects.

5. <u>TYPE OF PROPOSAL</u>

A. LUMP SUM

The Proposal for the work is to be submitted on a lump sum basis. Lump sum prices shall be submitted for all items of work set forth in the Proposal. All items required to complete the work specified but not included in the Proposal shall be considered incidental to those set forth in the Proposal.

The Proposer shall submit a Schedule of Values with the Proposal. The total amount to be paid the Contractor shall be the LUMP SUM Bid as adjusted for additions or deletions in number of units/ or resulting from the OWNER authorized changes in the project. The OWNER reserves the right to enter into a contract for all or portions of the project and to adjust the final LUMP SUM accordingly.

6. <u>PREPARATION OF PROPOSAL</u>

A. GENERAL

All blank spaces in the PROPOSAL form must be filled in, as required, preferably in BLACK ink. All price information shall be shown in both words and figures where required. No changes shall be made in the phraseology of the forms. Written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures. In case of discrepancy between unit prices and extended totals, unit prices shall prevail.

Any PROPOSAL shall be deemed informal which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published Request for Proposal.

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Only one PROPOSAL from any individual, firm, partnership, or corporation, under the same or different names, will be considered. Should it appear to the CITY that any Proposer is interested in more than one Proposal for work contemplated; all Proposals in which such Proposer is interested will be rejected.

B. <u>SIGNATURE</u>

The Proposer shall sign his PROPOSAL in the blank space provided therefore. If Proposer is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign Contracts on behalf of the corporation. If Proposer is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign Contracts in behalf of the partnership. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a notarized power-of-attorney must be on file with the CITY prior to opening of Proposals or submitted with the Proposal, otherwise the Proposal will be regarded as not properly authorized.

C. SPECIAL BIDDING REQUIREMENTS

The Proposer's attention is brought to the hiring practices and licenses and permits of the City of Key West. These are defined in the addition to Article 39, ORDINANCES, PERMITS, AND LICENSES, as set forth in the Supplementary Conditions.

The Proposer shall submit with his Proposal his experience record showing his experience and expertise in wireless surveillance systems and related work. Such experience record shall provide at least five current or recent projects of similar work, not more than five (5) years old, within the State Florida and preferably Monroe County. For each project the following information shall be provided:

- 1. Description and location of work.
- 2. Contract amount.
- 3. Dates work was performed.
- Owner.
- 5. Name of Owner's contact person and phone number.
- 6. Engineer.
- 7. Name of Engineer's contact person and phone number.

The proposer shall submit with his proposal a list of items to be performed by his own labor and that performed by subcontractors or others.

D. <u>ATTACHMENTS</u>

Proposer shall complete and submit the following forms with his proposal:

KWHS CCTV SURVEILLANCE PROPOSAL

- Anti-Kickback Affidavit
- Sworn Statement under section 287.133(3)(a) Florida Statutes, on public entity crimes
- Indemnification Form
- Local Vendors Form
- City of Key West Business License Tax Receipt
- Domestic Partnership Affidavit
- Cone of Silence Affidavit
- A complete description of the proposed Wireless Surveillance System including layout
- Cut sheets on all equipment
- Warranty information/ proposal (The City requires Proposer to warranty all materials and labor for two (2) years). Warranty to begin once the City determines the system is operating as specified in the technical specifications for a period of thirty (30) days. Proposer shall submit a warranty proposal to be included as part of a contract.
- All requirements listed in Section 01010 Summary of Work.

7. STATE AND LOCAL SALES AND USE TAXES

Unless the Supplementary Conditions contains a statement that the CITY is exempt from state sales tax on materials incorporated into the work due to the qualification of the work under this Contract, the Contractor, as required by the laws and statutes of the state and its political subdivisions, shall pay all state and local sales and use taxes. Prices quoted in the Proposal shall include all nonexempt sales and use taxes, unless provision is made in the Proposal form to separately itemize the tax.

8. SUBMISSION OF PROPOSALS

All PROPOSALS must be submitted not later than the time prescribed, at the place, and in the manner set forth in the Invitation to Bid.

PROPOSALS must be made on the PROPOSAL forms provided herewith, submit one (1) ORIGINAL bid package and two (2) FLASH DRIVES each containing a single PDF file of the entire bid package.

Each PROPOSAL must be submitted in a sealed envelope, so marked as to indicate the Proposer's name and its contents (project name and number) without being opened, and addressed in conformance with the instructions in the Invitation to Bid.

MODIFICATION OR WITHDRAWAL OF PROPOSALS 9.

Prior to the time and date designated for receipt of PROPOSALS, any PROPOSAL submitted may be withdrawn by notice to the party receiving PROPOSALS at the place designated for receipt of PROPOSALS. Such notice shall be in writing over the signature of the Proposer or by telegram. If by telegram, written confirmation over the signature of the Proposer shall be mailed and postmarked on or before the date and time set for receipt of PROPOSAL. No PROPOSAL may be withdrawn after the time scheduled for opening of PROPOSALS, unless

KWHS CCTV SURVEILLANCE

the time specified in paragraph AWARD OF CONTRACT of these Instructions to Proposers shall have elapsed.

10. <u>BID SECURITY</u>

PROPOSALS must be accompanied by cash, a certified check, or cashier's check drawn on a bank in good standing, or a bid bond issued by a Surety authorized to issue such bonds in the state where the work is located, in the amount of five (5) percent of the total amount of the Proposal submitted. This bid security shall be given as a guarantee that the Proposer will not withdraw his PROPOSAL for a period of sixty (60) days after bid opening, and that if awarded the Contract, the successful Proposer will execute the attached Contract and furnish properly executed Performance and Payment Bonds, each in the full amount of the Contract price within the time specified. Agent and Surety phone numbers must be provided.

The Attorney-in-Fact who executes this bond in behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bond. Where State Statute requires, certification by a resident agent shall also be provided.

If the Proposer elects to furnish a Bid Bond, he shall use the Bid Bond form bound herewith, or one conforming substantially thereto in form and content.

11. RETURN OF BID SECURITY

Within (15) days after the award of the Contract, the CITY will return the bid securities to all Proposers who's PROPOSALS are not to be further considered in awarding the Contract. Retained bid securities will be held until the Contract has been finally executed, after which all bid securities, other than Proposers' bonds and any guarantees, which have been forfeited, will be returned to the respective Proposers whose Proposals they accompanied.

12. <u>AWARD OF CONTRACT</u>

Within NINETY (90) calendar days after the opening of Proposals, the CITY will accept one of the Proposals or will act in accordance with the following paragraphs. The acceptance of the Proposal will be by written notice of award, mailed to the office designated in the Proposal, or delivered to the Proposer's representative. In the event of failure of the lowest responsive, responsible Proposer to sign the Contract and provide an acceptable Performance Bond, Payment Bond, insurance certificate(s) and evidence of holding required licenses and certificates, the Owner may award the Contract to the next lowest responsive, responsible Proposer. Such award, if made, will be made within one hundred-twenty (120) days after the opening of Proposals.

The CITY reserves the right to accept or reject any or all Proposals, and to waive any informalities and irregularities in said Proposals.

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13. BASIS OF AWARD

City Bid Review Team will be responsible for ranking proposals on the basis of a point system in which evaluation criteria will be applied. The City of Key West reserves the right to ask questions and seek clarification of any or all Proposers as part of its evaluation. Based on the ranking criteria, City staff will recommend the highest ranked, responsive proposer to the City Commission for contract award. If contract negotiations are not successful, staff will end negotiations with the first Proposer and start negotiations with next most qualified Proposer.

The selection committee will shortlist no less than 3 firms, unless less than 3 firms submit proposals. The selection criteria is:

(50pts) Project Cost - Lowest priced based on LUMP SUM pricing.

(30pts) Project Approach – Project approach and understanding based on submitted design.

(20pts) Experience of Proposer – Ability to provide and complete services requested.

14. EXECUTION OF CONTRACT

The successful Proposer shall, within ten (10) working days after receiving Notice of Award, sign and deliver to the CITY an original Contract and two (2) copies in the form hereto attached, together with the insurance certificate examples of the bonds as required in the Contract Documents and evidence of holding required licenses and certificates. Within 10 working days after receiving the signed Contract from the successful Proposer, the City's authorized agent will sign the Contract. Signature by both parties constitutes execution of the Contract

15. <u>CONTRACT BONDS</u>

A. PERFORMANCE AND PAYMENT BONDS

The successful Proposer shall file with the CITY, at the time of delivery of the signed Contract, a Performance Bond and Payment Bond on the form bound herewith, each in the full amount of the Contract price in accordance with the requirements of Florida Statutes Section 255.05 or 713.23, as applicable, as security for the faithful performance of the Contract and the payment of all persons supplying labor and materials for the construction of the work, and to cover all guarantees against defective workmanship or materials, or both, during the warranty period following the date of final acceptance of the work by the CITY. The Surety furnishing this bond shall have a sound financial standing and a record of service satisfactory to the CITY, shall be authorized to do business in the State of Florida, and shall be listed on the current U.S. Department of Treasury Circular Number 570, or amendments thereto in the Federal Register, of acceptable Sureties for federal projects. The CONTRACTOR shall supply the OWNER with phone numbers, addresses, and contacts for the Surety and their agents. Pursuant to Section 255.05(7), Florida Statutes, in lieu of the bond

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required by law, the contractor may file with the city an alternative form of security in the form of cash, a money order, a certified check, a cashier's check or an irrevocable letter of credit.

B. <u>POWER-OF-ATTORNEY</u>

The Attorney-in-Fact (Resident Agent) who executes this Performance and Payment Bond in behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bond. All Contracts, Performance and Payment Bonds, and respective powers-of-attorney will have the same date.

16. FAILURE TO EXECUTE CONTRACT AND FURNISH BOND

The Proposer who has a Contract awarded to him and who fails to promptly and properly execute the Contract or furnish the required Bonds shall forfeit the bid security that accompanied his bid, and the bid security shall be retained as liquidated damages by the CITY, and it is agreed that this said sum is a fair estimate of the amount of damages the CITY will sustain in case the Proposer fails to enter into a Contract or furnish the required Bonds. Bid security deposited in the form of cash, a certified check, or cashier's check shall be subject to the same requirement as a Bid Bond.

18. <u>TIME OF COMPLETION</u>

The time of completion of the work to be performed under this Contract is the essence of the Contract. Delays and extensions of time may be allowed in accordance with the provisions stated in the General Conditions.

When the Contractor receives a Notice to Proceed, he shall commence work as soon as possible and shall complete all work within the number of calendar days stipulated in this Proposal.

The term of this contract will be 45 days.



******NOTE TO PROPOSER: Use preferably BLACK ink for completing this Proposal form.

PROPOSAL

To:

The City of Key West

Address:

3126 Flagler Street, Key West, Florida 33040

Project Title:

CCTV SURVEILLANCE SYSTEM RFP #05-015

Proposer's contact person for additional information on this Proposal:

Company Name: Integrated First Security Solutions, Inc (Aba. IFSS)
Contact Name & Telephone #: Justin N Peterson Pres. (239) 415-4374 x 229

Email Address: ju Peterson @ ifssiocom

PROPOSER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Proposer, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal

The Proposer further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Proposal is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Proposal.

CONTRACT EXECUTION AND BONDS

The Proposer agrees that if this Proposal is accepted, he will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner examples of the Performance Bond and Payment Bond required herein, and evidence of holding required licenses and certificates, and will, to the extent of his Proposal, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

CERTIFICATES OF INSURANCE

Proposer agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

All contractors and subcontractors wishing to perform work for the City of Key West, Florida, will be required to comply with the following minimum insurance requirements:

Commercial General Liability Limits:

\$2,000,000 Aggregate

\$1,000,000 Each Occurrence

\$2,000,000 Products-Comp / Op Aggregate \$1,000,000 Personal & Advertising Injury

\$300,000 Fire Damage / Legal

Coverage must include the following:

- Contractual Liability

- Commercial Form

- CG2010 (1185) or Equivalent

- Broad Form Property Damage

- No exclusion for XCU

- Premises / Operations

- Products / Completed Operations

- Independent Contractors (if any part of the work is

- Personal Injury

to be subcontracted out)

Automobile Liability:

\$1,000,000 Combined Single Limit

(Include Hired & Non-Owned Liability)

Additional Umbrella Liability:

\$1,000,000 Occurrence / Aggregate

Worker's Compensation: Employer's Liability:

Statutory

\$1,000,000 Each Accident

\$1,000,000 Disease-Policy Limit \$1,000,000 Disease-Each Employee

The Contractor will be required to provide Builders Risk insurance for the completed value of the

- The above reflects the minimum requirements for working with the City of Key West. Any requirements found in a particular job's contract that are of a higher standard will prevail.
- The City of Key West must be named as an additional insured under all policies other than worker's compensation. Contractor's or subcontractor's general liability shall be written on a primary and non-contributory basis. Certificates of insurance must be accompanied by a copy of the additional insured endorsement (CG 20101185 or combination of CG20100704 and CG20370704 will be accepted).
- Contractors and subcontractors must obtain an endorsement from their carrier that waives and relinquishes any right of subrogation against the City of Key West and its agents, representatives, employees, and affiliates they might possess for any policy of insurance provided under this requirement or under any state or federal worker's compensation or employer's liability act.

- Contractor's policies must be endorsed to give no less than thirty (30) day notice to the City in the event of material change or cancellation.
- The City of Key West must be given a certificate of insurance showing that the above requirements have been met. The certificate of insurance must remain current and must include copies of the requested endorsements (additional insured, cancellation notice, and waiver of subrogation) in order for the City to issue payments to the contractor or subcontractor.

START OF CONSTRUCTION AND CONTRACT COMPLETION TIME

The Proposer further agrees to begin work within 14 calendar days after the date of the Notice to proceed and to complete the project, in all respects within 45 calendar days after the date of the Notice to Proceed.

LIQUIDATED DAMAGES

In the event the Proposer is awarded the Contract and shall fail to complete the work within the time limit or extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the Owner at the rate of \$250 per day for all work awarded until the work has been satisfactorily completed as provided by the Contract Documents. Sundays and legal holidays shall be excluded in determining days in default.

ADDENDA

The Proposer hereby acknowledges that he has received Addenda No's. _____, _____,

(Proposer shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Proposer further agrees that his Proposal(s) includes all impacts resulting from said addenda.

SALES AND USE TAXES

The Proposer agrees that all federal, state, and local sales and use taxes are included in the stated unit prices for the work.

LUMP SUM ITEMS

The Proposer further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum amounts. The Proposer agrees that the lump sum represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents. The amounts shall be shown in both words and figures. In case of discrepancy, the amount shown in words shall govern. The Bid will be awarded on total bid amount. Final lump sum payments will be adjusted based on actual units and unit prices.

THE PROPOSAL SHALL BE BROKEN OUT FOR EACH FACILITY

PROPOSAL FORM

PROPOSER MUST SUBMIT ON THEIR OWN FORM A DETAILED SCHEDULE OF VALUES FOR EACH PORTION OF THE PROJECT

The City has the right to award all or portions of the project based on the schedule of values.

KEY WEST HISTORIC SEAPORT – CCTV SURVEILLANCE SYSTEM

The KWHS CCTV Surveillance System is broken into two areas; KWHS Exterior Common Areas

and The Ferry Terminal Building and Grounds. Proposers will provide a lump sum proposal for each area. The attached maps are for approximate coverage areas.
KWHS EXTERIOR COMMON AREAS LUMP SUM PROPOSAL
<u>s 105, 038. 14</u>
Proposal Total in Words
OreHundred Five Thousand Thirty Eight and 14/100 Dollars
•
FERRY TERMINAL BUILDING AND GROUNDS LUMP SUM PROPOSAL
<u>\$</u> 23,503.00
Proposal Total in Words
Twenty Three Thousand, Five Hundred Three and odloo Poller

The Proposer shall submit a Schedule of Values for each portion of the project with the Proposal. It shall be broken down by unit and unit price and it shall be used as a basis for payment. The Proposer will be considered non-responsive if Schedule of Values is not included in Bid package.

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J./	R's own forces and the estimated total cost of these
Seaport Common Apea & Dock Master Location	#105,038.14
Ferry Terminal	# 23,503. 20
Lump Som Project Total	#128,541.14
	Loher Letersen coc
	4/6/15

SUBCONTRACTORS

The Proposer further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the work in the event that the Proposer is awarded the Contract:

Name			
Street	City	State	Zip
Name			
Street	City	State	, Zip
Name			
Street	City	State	Zip
Name			
treet	City	State	, Zip
ame			
treet	City	State	Zip

SURETY

Willis of Florida				whose odd
4211 W Boy Scout Blud # 1000 Street	TAMPA	Ž	-L	_ whose address is 33607
Street	City	,	State	Zip
PROPOSER				
The name of the Proposer submitting this Propo	osal is			
Integrated Fire & Security Solo	frons, I	Ne (dba I)	F35)	doing business at
7857 Drew Cir, Ste 15 Street	For My	215 , F	State	33967 Zip
which is the address to which all communication shall be sent.				
The names of the principal officers of the corpor or of all persons interested in this Proposal as pr	ration submit incipals are a	ting this Prop s follows:	osal, or	of the partnership,
John W Peterson Ca	, CSPM	ECON	0108	5
Justin N Peterson Pres,				
Jesus R Corrier BM, B	A			

If Sole Proprietor or Partnership

IN WITNES	S hereto the undersigned has s	set his (its) hand this	day of	2015.
	Signature of Proposer			
Title				
		f Corporation		
IN WITNESS its seal affixed	WHEREOF the undersigned of the by its duly authorized officer	corporation has caused the sthis day of	nis instrument to be April	executed and 2015.
(SEAL) Twegoved F (aba) IFS	TRE & Security Soluta	ins The		
Name of Corp	oration	By Jehn (1) Title Chief Open Attest Secretary	Reterson	-EBO TEP

EXPERIENCE OF PROPOSER

The Proposer states that he is an experienced CONTRACTOR and has completed similar projects within the last 5 years.

TCICICICS Will phone numbers lea - 11'4' 1 1 10	See Next
EYW Key West International Air Bet	sheet for the Enformation
HOB Mobble School	- Auf
TAMPA Boy Water	4/6/15
CORE STAB	
CCPS Callier County Public Schools	
Cope Coral Polices Fation & City Holl	
Pinelles Co Job Corp	
Lee County hibrory	
Scanlow Lexus & Accepto	
Neo-GCONOMICS	
Birmingham U.S. Treasery	
Okaloosa County Courthouse Annex	

Description & Location		Contract	Dates Worked	Owner	Owner Contact	Engineer	Engineer Contact
EYW Key West International	-				Larry Flowers Airport		Information / Ph #
Airport	φ.	1,715,000	2010 - Present	key west / Monroe Co	Operations Manager	IFSS and URS	239-415-4374 IFSS 813-636-2179 URS
HOB MIND SOLD	٠				Florida Keys Electric		
looi o iviidale scilooi	<u>۸</u>	1,403,000) 4/2011 - Present	Monroe Co Schools	Raymond Vazquez 305-	AGI	Anston-Greenlee 813
	\downarrow				296-4028		963-1919
Tampa Bay Water	<u>٠</u>	2,704,100	4/2011 - 8/2014	State of Florida	Tommy Brown tbrown@tampabaywat	Gannett	Charles Butler (352)
- 5 1400	1				er.org	Fleming	693-4440
CORE Slab	S	44,300	6/2013 - 10/2013	CORE Slab Inc		001	
CCPS Collier County Public Schools	٠	2,907,200	4/2010 - Present	Collier County	Ed Messer (239) 377-	IFSS IFSS	239-415-43/4
				SIGOLOS	0249		100
Cape Coral Police Station and City Hall	↔	630,700	4/2010 - Present	City Of Cape Coral	Matt Vilord (239) 574- 0662	David Southwick	(239) 275-4240 ext
Pinellas Job Corps	v	216 800	2/2017 2100/5			TLC Eng.	30
	}	210,000	2/2013 - //2013	RES Care	George Smith	MPS	813-855-2721
Lee County Library	٠,	205,400	5/2012 - 2/2014	Lee County	Fort Myers, Lee County,	David	TLC Eng. (239) 275-
					7	Southwick	4240 ext 30
Scanlon Lexus and Acura	δ.	232,500	10/2012 - 3/2015	Scalon Lexus & Scanlon Accura	J Scanlon (239) 481- 9797	David Southwick	(239) 275-4240 ext
Neo Geomomics	v	55 900				TLC Eng.	30
	7	000,00	1/2014 - //2014	Neo Geomomics	Neo Geomomics	IFSS	239-415-4374
Birmingham US Treasury	ۍ	775,000	4/2013 - Present	Corporate Realty	Brain Wolfe 205-322-	IFSS	239-415-4374
Okaloosa County Courthouse	Ş	1.280.700	12/2010 - 11/2014		Don Turner (850) 689-	Ноого	
Annex	.	001/00=/-	-0102/21	Okaloosa County	5790	Engineering	(904) 633-4762

Jer 4/6/15

FLORIDA BID BOND

BOND NO. N/A Bid
AMOUNT: \$ 5% of Bid
KNOW ALL MEN BY THESE PRESENTS, that <u>Integrated Fire & Security Solutions, Inc.</u>
hereinafter called the PRINCIPAL, andWestchester Fire Insurance Company
a corporation duly organized under the laws of the State of <u>PA</u> having its principal place of business at <u>436 Walnut St</u> , Philadelphia PA 19106
in the State of PA and authorized to do business in the State of Florida, as SURETY, are held and firmly bound unto City of Key West FL
hereinafter called the OBLIGEE, in the sum of Five Percent of Amount Bid
DOLLARS (\$_5% of amt bid) for the payment for which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these present.
THE CONDITION OF THIS BOND IS SUCH THAT:
WHEREAS, the PRINCIPAL is herewith submitting his or its Bid Proposal for the KWHS CCTV SURVEILLANCE SYSTEM, said Bid Proposal, by reference thereto, being hereby made a part hereof.
WHEREAS, the PRINCIPAL contemplates submitting or has submitted a bid to the OBLIGEE for the furnishing of all labor, materials (except those to be specifically furnished by the CITY), equipment, machinery, tools, apparatus, means of transportation for, and the performance of the work covered in the Proposal and the detailed Specifications, entitled:
KWHS CCTV SURVEILLANCE SYSTEM REP #05 015

KWHS CCTV SURVEILLANCE SYSTEM – RFP #05-015

WHEREAS, it was a condition precedent to the submission of said proposal that a cashier's check, certified check, or bid bond in the amount of 5 percent of the base bid be submitted with said proposal as a guarantee that the Proposer would, if awarded the Contract, enter into a written Contract with the CITY for the performance of said Contract, within 10 working days after written notice having been given of the award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the PRINCIPAL within 10 consecutive calendar days after written notice of such acceptance, enters into a written Contract with the OBLIGEE and furnishes the Performance and Payment Bonds, each in an amount equal to 100 percent of the base bid, satisfactory to the CITY, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the OBLIGEE and the Surety herein agrees to pay said sum immediately upon demand of the OBLIGEE in good and lawful money of the United States of America, as liquidated damages for failure thereof of said PRINCIPAL.

Signed and sealed this	6th	day of	April	, 2015.
				, -010

PRINCIPAL

Integrated Fire & Security Solutions, Inc.

By Johnketen

Westchester Fire Insurance Company

SURETY

By

Eileen C. Heard, Attorney-in-fact and Florida

Licensed Resident Agent

Inquiry: Willis of Florida 813-281-2095

Power of Attorney

WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That WESTCHESTER FIRE INSURANCE COMPANY, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit.

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or (1) (2)
- Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that
- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written (3) appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments
- Each of the Chairman, the President and Vice Presidents of the Company in hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments. (4)
- The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such (5)

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested

Does hereby nominate, constitute and appoint Anett Cardinale, David H Carr, Diane Sidebothan, Eileen C Heard, Margaret A Ginem, all of the City of TAMPA, Florida, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Fifteen million dollars & zero cents (\$15,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office,

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER

WESTCHESTER FIRE INSURANCE COMPANY

COMMONWEALTH OF PENNSYLVANIA COUNTY OF PHILADELPHIA

On this 29 day of April, AD. 2014 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney ,Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



NWEALTH OF PENNSYLVANI NOTARIAL SEAL

Jane & Brandt

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this day of April 2015

William L. Melly Assistant

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER April 29, 2016.

ANTI - KICKBACK AFFIDAVIT

STATE OF FORIDA)
COUNTY OF LEE	: SS

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By:	John w	Petersen coo

NOTARY PUBLIC, State of _____ at Large

My Commission Expires: // 01 / 2018



SWORN STATEMENT UNDER SECTION 287.133(3)(A) <u>FLORIDA STATUTES</u>, ON <u>PUBLIC ENTITY CRIMES</u>

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1.	This sworn statement is submitted with Bid or Proposal for $PPP # 05-015$
	Ly West Hosforic Seaport CCTV Surveillance System
2.	This sworn statement is submitted by Integrated Fire & Security Selections The (Name of entity submitting sworn statement)
	whose business address is 7857 Drew Cer, Ste 15, Fort Myers FL 33967 Ce
	and 5680 First Ave, Stock Island, Keywest FL 33040 Local
	and (if applicable) its Federal Employer Identification Number (FEIN) is
	75-32 3855
	(If the entity has no FEIN, include the Social Security Number of the individual
	signing this sworn statement WA
3.	My name is John W Peterson (Please print name of individual signing)
	and my relationship to the entity named above is Chief Operating Estices
4.	I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), <u>Florida Statutes</u> , means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any bid or contract for goods or services to be provided to any public or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.
5.	I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

- 6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 - a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
- 7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
- 8. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies).

X Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of

Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

STATE OF FLORIDA COUNTY OF PERSONALLY APPEARED BEFORE ME, the undersigned authority, who, after first being sworn by me, affixed his/her (Name of individual signing) Signature in the space provided above on this 6th day of April , 2015. My commission expires: 11/01/2018MICHAEL SILVERMAN MY COMMISSION # FF 168257

EXPIRES: November 1, 2018
Bonded Thru Notary Public Underwriters

INDEMNIFICATION

To the fullest extent permitted by law, the CONTRACTOR expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnitees") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONTRACTOR, its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONTRACTOR's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONTRACTOR or of any third party to whom CONTRACTOR may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

			71
CONTRACTOR: _	whegended Fire & Security Solitions	SEAL:	
Ad	1857 Prew CIR Stels- Idress Fort Myers FL 33967		057
	Holm Whotever coo		
Pri	John W Peterson		
Titl	Chief Operating OSFICER		
DATE:	6 April 2015		

29

LOCAL VENDOR CERTIFICATION PURSUANT TO CITY OF KEY WEST ORDINANCE 09-22 SECTION 2-798

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.
- b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.
- c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for proposals.
 - Not a local vendor pursuant to Ordinance 09-22 Section 2-798
 - Qualifies as a local vendor pursuant to Ordinance 09-22 Section 2-798

If you qualify, please complete the following in support of the self-certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name Integrated First Security Solutions, Inc. Phone: (237)415-4374
Current Local Address: 56 80 First Ave, Stock Iskuel, key West Fax: 239) 415-4378 (P.O Box numbers may not be used to establish status)
Lengthrof time at this address: 1.5 Years Your Veters—Coo Date: 4/6/15 Signature of Authorized Representative
STATE OF FLORIDA COUNTY OF LEE
The foregoing instrument was acknowledged before me this 6+ day of April 2015. By John W Peterson COO, of (IFSS) Integraled Fire Security Bolotains Ince (Name of officer or agent, title of officer or agent) acknowledging)

or has produced identification_	Perso
identification	
(Type of identification)	

enally known to me)

Return Completed form with Notary

Supporting documents to: City of Key West Purchasing Print, Type or Stamp Name of



Title or Rank

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

EVENE TIP FOR DOMESTIC PARTNERS AFFIDAVIT
STATE OF FloriDA : SS COUNTY OF Lee)
I, the undersigned hereby duly sworn, depose and say that the firm of <u>FFSS</u> provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.
By: John W Peterson
Sworn and subscribed before me this
Day of April , 2015. Muhael Silmman NOTARY PUBLIC, State of FL at Large
My Commission Expires: 11 D1 2018

CONE OF SILENCE AFFIDAVIT

STATE OF Florida) : SS COUNTY OF Lee)	
I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, director employees and agents representing the firm of	ad
West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cor	зу
John Keleisen Ce	1e
Sworn and subscribed before me this Chief Openating Office	cer
Michael Liberman	
NOTARY PUBLIC, State of at Large My Commission Expires: 101 3018	
MICHAEL SILVERMAN MY COMMISSION # FF 168257 EXPIRES: November 1, 2018 Bonded Thru Notary Public Underwriters	

Schedule of Values Billing Information Sheet

Entering Data Information

Use this sheet to enter all of the information required by the Certificate worksheet. Entering information in these cells will update the Certificate Worksheet automatically.



Project Information:

Project Name:

Key West Seaport

IFSS Project No.:

To Be Determined

Customer Project No.:

RFP-#05-015

Purchase Order:

Contract Date: Retainage for Work: 7/1/2015

Retainage for Material:

10.0% 5.0%

Current Application Information:

Application No.:

00001

Application Date:

7/1/2015

Period To:

8/1/2015

Certified By:

Justin Peterson

Pres.

Certified Date:

7/25/2015

Previous Certified1

\$0.00

Current Certified2

\$0.00

(Note1: This Sum Must Match the Previous Amount Certified) (Note²: This Sum Must Match the Current Payment Due)

Sent To:

Company:

City of Key West

Address:

PO Box 1409

City, State & Zip

Key West FL 33040

Sent From:

Company:

Integrated Fire & Security Sol

Address:

7857 Drew Circle Suite 15

City, State & Zip Fort Myers FL 33967

Change Order Summary:

CHANG	GE ORDERS	ADDITIONS	DEDUCTIONS	
Previously Approved & Applied for C/O Totals:		\$0.00	\$0.00	
C/O's Appro	ved this Month			
NUMBER:	DATE:			
C/O #1				
C/O #2				
C/O #3				
Total C/O's this Month		\$0.00	\$0.00	
Total of All C/O's:		\$0.00	\$0.00	
NET CHANGES BY C/O:			\$0.00	

Contract Value Summary:

CONTRACT	ORIGINAL	
Enter the Original Contract Sum Here:	\$128,541.15	
Call Here.	\$120,041.10	
Net Changes by C/O's:	\$0.00	
CONTRACT SUM TO DATE:	\$128,541.15	

APPLICATION AND CERTI, CATE FOR PAYMENT

TO:	City of Key West	PROJECT	PROJECT: Key West Seaport	APPL	APPLICATION NO.:	00001	Distribution to:
	Key West FL 33040			APPL	APPLICATION DATE: PERIOD TO:	07/01/2015	OWNER
FROM:	Integrated Fire & Security Sol 7857 Drew Circle Suite 15) raft	PROJI FSS F	PROJECT NO.: FSS PROJECT: PURCHASE ORDER:	RFP-#05-015 To Be Determined 0	ARCHITECT CONTRACTOR O
	Fort Myers FL 3396/		6	CONI	CONTRACT DATE:	7/1/2015	
CONTF Application i	CONTRACTOR'S APPLICATION FOR PAYM Application is made for Payment, as shown below, in connection with the Contract. Detail and Continuation Sheet is attached.	CATION FOF selow, in connection was attached.	R PAYMENT	The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and pay-	ertifies that to the by vered by this Appli of Documents, that I previous Certifica	est of the Contractor's cation for Payment has all amounts have been tes for Payment were i	knowledge, infor- been completed paid by the ssued and pav-
1. ORIGINAL	1. ORIGINAL CONTRACT SUM		\$128,541.15	ments received from the Owner, and that current payment shown herein is now due.	r, and that current	payment shown herein	is now due.
2. Net chang	2. Net change by Change Orders		\$0.00	CONTRACTOR: Integ	Integrated Fire & Security Sol	ity Sol	
3. CONTRAC	CONTRACT SUM TO DATE (Line 1+2)		. \$128,541.15		1		`
4. TOTAL CC	4. TOTAL COMPLETED & STORED TO DATE.	 Щ	\$0.00	By: Later Me	1	Date:	5/1/4 :
5. RETAINAGE:	(Column G on Detail Sheet) RETAINAGE:			Justir	Justin Peterson Pres.		7/26/2015
a. 10.0%	10.0% of Completed Work	\$0.00					
(Column D	(Column D + E on Detail Sheet)			CERTIFICATE FOR PAYMENT	PAYMENT		
b. 5.0%	5. 5.0% of Stored Material	\$0.00	130	In accordance with the Contract Documents, based on on-site observations and the data	t Documents, base	d on on-site observatio	ns and the data
Total Retail	Total Retainage (line 5a+5b or		00 0\$	comprising the above application, this Company certifies to the Owner that to the best of this Company's knowledge information and haliof the World haliof the	on, this Company of	sertifies to the Owner the	hat to the best of this
Total in c	Total in column I of Detail Sheet)			quality of the Work is in accordance with the Contract Documents, and the Contractor	dance with the Con	work has progressed tract Documents, and t	as indicated, the he Contractor
(Line 4 less	(Line 4 less Line 5 Total)		20.00	is entitled to payment of the AMOUNT CERTIFIED	MOUNT CERTIFI	ED.	
7. LESS PRE PAYMENT	LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior certificate)		. \$0.00	AMOUNT CERTIFIED			\$0.00
3. CURRENT	CURRENT PAYMENT DUE		\$0.00	(Attach explanation if amount certified differs from the amount applied for. Initial	ified differs from the	amount applied for. Initi	al
BALANCE	BALANCE TO FINISH, PLUS RETAINAGE		. \$128,541.15	all Jigures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)	on the Continuation	Sheet that are changed t	0
(Line 3 less Line 6)	Line 6)			COMPANY:			
HANGE OF	CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS				
otal Change revious mon	otal Changes approved in revious months by Owner	\$0.00	\$0.00	By:		Date:	
otal approve	otal approved this Month	\$0.00	\$0.00	This Certificate is not negotiable. The AMOUNT CERTIFIED is navable only to the Con-	le. The AMOUNT	CERTIFIED is navah	le only to the Con-
	TOTALS	\$0.00	\$0.00	tractor named herein. Issuance, payment and acceptance of payment are without	, payment and acce	ptance of payment are	without
NET CHANG	IET CHANGES by Change Order		\$0.00	prejudice to any rights of the Owner or Contractor under this Contract.	wner or Contractor	under this Contract.	

Integrated Fire & Security Solutions, Inc EC0001085 V (239) 415-4374 F (239) 415-4378

DETAIL AND CONT, JATION SHEET

In tabulations below, amounts are stated to the nearest dollar. APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification, is attached.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION DATE: 07/01/2015 APPLICATION NO.: 00001

PROJECT NO: RFP-#05-015 PERIOD TO: 08/01/2015

	A The comment of the	Tot the recins may a				FRUJE	SCL INC.:	FROJECI NO.: KFF-#03-013	
<	В	၁	Q	Е	F	Ð		Н	1
			WORK COMPLETED	MPLETED	MATERIALS	TOTAL			
ITEM	DESCRIPTION OF WORK	SCHEDULED	FROM PREVIOUS		PRESENTLY	COMPLETED		BALANCE	RETAINAGE
ON		VALUE	APPLICATION	THIS	STORED	AND STORED	%	TO	(IF VARIABLE)
			(D+E)	PERIOD	NOT IN	TO DATE	(G÷C)	FINISH	RATE
					D OR E)	(D+E+F)		(C-G)	
10000	ADMINISTRATION:								
10010	Engineering & Submittals	\$2,535.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$2.535.00	00 0\$
10020	Permit & Bond	\$6,049.15	\$0.00	\$0.00	\$0.00	00 0\$	%0	\$6 049 15	00.0\$
10030	Mobilization	\$6,427.00	80.00	00.08	00 0\$	00 0\$	%0	\$6.427.00	0000
10040	Project Management	\$4,175.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$4.175.00	00.00
			8						
20000	Seaport Common Area Coverage								
20010	Video Servers / Switches / Clients	\$15,518.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$15.518.00	\$0.00
20020	Cameras & Mounts	\$20,098.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$20,098.00	\$0.00
20030	Wireless Point to Point	\$7,695.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$7,695.00	\$0.00
20040	Installation @ Conch Republic	\$5,197.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$5,197.00	\$0.00
20050	Installation @ Record Studio	\$3,875.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$3,875.00	\$0.00
20060	Installation @ Schooner Wharf	\$3,179.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$3,179.00	\$0.00
20070	Installation @ 201 William Street	\$11,739.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$11,739.00	\$0.00
20080	Installation @ Dock Master	\$11,093.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$11,093.00	\$0.00
20090	Installation @Turtle Kraals	\$5,596.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$5,596.00	\$0.00
20100	Installation @ Half Shell Raw Bar	\$4,197.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$4,197.00	\$0.00
30000	Ferry Terminal Coverage								-
30010	Video Server & Switch	\$4,992.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$4.992.00	\$0.00
30020	Wireless Point to Point	\$1,110.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$1,110.00	\$0.00
30030	Cameras & Mounts	\$7,445.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$7,445.00	\$0.00
30040	Installation of wire & Cameras	\$5,721.00	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$5,721.00	\$0.00
								3	



DETAIL AND CONT. JATION SHEET

In tabulations below, amounts are stated to the nearest dollar. APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification, is attached.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION DATE: 07/01/2015 PERIOD TO: 08/01/2015 APPLICATION NO.: 00001

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ITEM DESCRIPTION OF WORK SCHEDINA NO. 40000 Project Close Out VAL 30010 End User Training Sound Close Out & Owner Review 30020 Permit Close Out Documentation Close Out Documentation CO000 CHANGE ORDERS	ပ	D	П	H	9		Н	_
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TOTALS \$12	\$128,541.15	\$0.00	\$0.00	\$0.00	\$0.00	%0	\$128,541.15	\$0.00

Integrated Fire & Security Solutions, Inc EC0001085

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Original Contract Sum =	Net Changes by Change Orders =	Total Contract Including Change Orders =

(For reference only. These two should match)

Total of Column "C", above =

\$0.00 \$128,541.15 \$128,541.15 \$128,541.15

VARIABLE RETAINAGE RATE (Normally zero):

Special Variable Retainage Notes:

Do Not use a percentage here if you used a retainage percentage on the Info sheet.

The Variable Rate is for special retainage where may you need retainage for individual lines.

Any percentage used here will override the retainage percentage on the Certificate sheet.



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STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION ELECTRICAL CONTRACTORS LICENSING BOARD

LICENSE NUMBER

EC0001085

The ELECTRICAL CONTRACTOR Named below IS CERTIFIED Under the provisions of Chapter 489 FS. Expiration date: AUG 31, 2016



PETERSON, JOHN W
INTEGRATED FIRE & SECURITY SOLUTIONS INC
7857 DREW CIRCLE
SUITE 15
FORT MYERS FL 33967



ISSUED: 07/13/2014

DISPLAY AS REQUIRED BY LAW

SEQ# L1407130001793

CITY OF KEY WEST, FLORIDA

Business Tax Receipt
This Document is a business tax receipt Holder must meet all City zoning and use provisions. P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name

INTEGRATED FIRE & SECURITY SOL CtlNbr:0020321

Location Addr

7857 DREW CIR 15

Lic NBR/Class

15-00025030 CONTRACTOR - CERT ELECTRICAL

Issue Date:

July 25, 2014 Expiration Date: September 30, 2015

License Fee

\$309.75

Add. Charges

\$0.00

Penalty

\$0.00

Total

\$309.75

Comments:

Type: OC Drawer: 1 Uper: CWALKER

This document must be prominently displayed 1.00 \$305

INTEGRATED FIRE & SECURITY

INTEGRATED FIRE & SECURITY SOL 7857 DREW CIR 15

Trans date: 7/30/14 Time: 14:07:48

FT MYERS FL 33967

Local - 5680 First Ave UNH3 Key West, FL. 33040



LEE COUNTY LOCAL BUSINESS TAX RECEIPT 2014 - 2015

ACCOUNT NUMBER: 0611061

ACCOUNT EXPIRES SEPTEMBER 30, 2015

Location

7857 DREW CIR STE 15 FT MYERS FL 33967

INTEGRATED FIRE & SECURITY SOLUTIONS INC PETERSON JOHN W 7857 DREW CIR STE 15 FT MYERS FL 33967

May engage in the business of: CERTIFIED ELECTRICAL CONTRACTOR

THIS LOCAL BUSINESS TAX RECEIPT IS NON REGULATORY

THIS IS NOT A BILL - DO NOT PAY

PAID 019368-6-1

08/21/2014 09:08

DP500

\$50.00

LEASE

THIS LEASE made and entered into at Key West, Monroe County, Florida this 3 day of 2013 by and between KEY WEST WELDING & FABRICATION, INC, a Florida Corporation, hereinafter called LANDLORD, and INTEGRATED FIRE & Security Solution Hereinafter called TENANTS, and agree as follows:

WITNESSETH:

That the LANDLORD and the TENANT, for and in consideration of the keeping by the parties of their respective obligations hereinafter contained as well as for one dollar(\$1.00) and other good and valuable considerations by each of the parties unto the other, in hand paid simultaneously with the execution and delivery of these presents, the receipt of which is hereby acknowledged, have agreed as follows:

- 1. <u>DEMISE:</u> Upon the terms and conditions hereinafter set forth, and in consideration of the payment from time to time by the TENANT of the rents hereinafter set forth, and in consideration of the performance continuously by the TENANT of each and every one of the convenants and agreements hereinafter contained by the TENANT of each and every one of the convenants and agreements hereinafter contained by the TENANT to by kept and performed, the LANDLORD does hereby lease, let and demise unto the TENANT does hereby lease of and from the LANDLORD, the following described premises situated, lying, and being in Monroe County, Florida: Unit 3 5680 First Avenue, Stock Island, Monroe County, Florida whose mailing address is Unit 3 , 5680 First Avenue, Stock Island, Key West, Fl. 33040 except the bathroom with outside door.
- 2. TERMS: The term of this lease shall be for / years, which shall commence on the 157 day of OCTOBER 2013 and shall end on the 3074 day of 5EPT 2013.
- 3. OCCUPANCY: LANDLORD agrees that TENANT may have possession and occupancy on the date of signing of this lease.
- 4. RENT: TENANT agrees to pay the following rent for the first year 1,000 per month together with applicable sales tax which is presently 7.5% with the first payment due 10 1 2003 and shall be due on the 1st. Of each month during the term of this Lease.

GARBACE 4200 PER MONTH BALES TX 7500 BASE REST 1000.00



IN ENGINEERING TECHNOLOGIES® NATIONAL INSTITUTE FOR CERTIFICATION

Providing Certification Programs Since 1961

BE IT KNOWN THAT

Justin N. Peterson

IS HEREBY AWARDED CERTIFICATION AT

LEVEL IV

IN FIRE PROTECTION ENGINEERING TECHNOLOGY FIRE ALARM SYSTEMS

EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE. BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,

Certification Valid through December 1, 2015

CERTIFICATION NUMBER 110154

Anniversary

1961-2011

50th

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

A DIVISION OF THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/6/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER	sementes	5).	CONTACT ROGER	CHERREDO			
SUPERIOR INSURANCE CONSULT	ANT		PHONE (A/C, No. Ext): (954		FAX		
12401 Orange Drive Suite			E-MAIL ADDRESS: ROGER@	SICEL COM	(Á/C, No)	(954)8	62-1769
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Davie FL 33	330				RDING COVERAGE Y INSURANCE		NAIC #
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INC					SURANCE COMPANY		
7857 DREW CIRCLE STE 15			INSURER D :	SDAUE IN	SURANCE COMPANY		-
FORT MYERS, FL 33967			INSURER E :				
			INSURER F :				
COVERAGES CERT	TIFICAT	E NUMBER:CL15460368	38		REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES INDICATED. NOTWITHSTANDING ANY RECERTIFICATE MAY BE ISSUED OR MAY FEXCLUSIONS AND CONDITIONS OF SUCH FINST TYPE OF INSURANCE	PERTAIN	THE INSURANCE AFFORDE LIMITS SHOWN MAY HAVE	ED BY THE POLICIE BEEN REDUCED BY	OR OTHER S DESCRIBEI PAID CLAIMS	ED NAMED ABOVE FOR T DOCUMENT WITH RESPE		
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3126 FLAGLER STREET KEY WEST, FL 33040			oger Guerrero				5



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTENT THE COVERAGE AFFORDED BY THE POLICIES

BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s). CONTACT Sheila Serrano Eagle American Insurance 1855 West State Road 434 PHONE (A/C, No, Ext): (407) 788-3000 E-MAIL Sheila.Serrano@ FAX (A/C, No): (407) 788-7933 Longwood, FL 32750 ADDRESS: Sheila.Serrano@ioausa.com INSURER(S) AFFORDING COVERAGE INSURER A : Bridgefield Employers Insurance Company 10701 INSURED INSURER B Integrated Fire & Security Solutions, Inc. INSURER C : 7857 Drew Circle Suite 15 INSURER D : Fort Myers, FL 33967 INSURER E : INSURER F COVERAGES CERTIFICATE NUMBER: **REVISION NUMBER:** THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. ADDL SUBR POLICY EFF POLICY EXP TYPE OF INSURANCE INSD WVD POLICY NUMBER LIMITS COMMERCIAL GENERAL LIABILITY EACH OCCURRENCE CLAIMS-MADE DAMAGE TO RENTED PREMISES (Ea occurrence) **OCCUR** \$ MED EXP (Any one person) PERSONAL & ADV INJURY GEN'L AGGREGATE LIMIT APPLIES PER GENERAL AGGREGATE \$ PRO-JECT **POLICY** LOC PRODUCTS - COMP/OP AGG \$ OTHER: \$ **AUTOMOBILE LIABILITY** COMBINED SINGLE LIMIT (Ea accident) \$ ANY AUTO BODILY INJURY (Per person) ALL OWNED AUTOS SCHEDULED AUTOS NON-OWNED BODILY INJURY (Per accident) \$ HIRED AUTOS PROPERTY DAMAGE **AUTOS** \$ (Per accident) \$ **UMBRELLA LIAB** OCCUR **EACH OCCURRENCE** \$ **EXCESS LIAB** CLAIMS-MADE AGGREGATE \$ DED RETENTION\$ WORKERS COMPENSATION \$ AND EMPLOYERS' LIABILITY X STATUTE ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) 830-43602 11/25/2014 11/25/2015 E.L. EACH ACCIDENT 1,000,000 \$ If yes, describe under DESCRIPTION OF OPERATIONS below 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT 1,000,000 DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) CERTIFICATE HOLDER CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. City of Key West **AUTHORIZED REPRESENTATIVE Historic Seaport** 3126 Flagler St. Key West, FL 33040

Arokessional Certification Bodes ASIS International

Amards

Fustin M. Peterson, 1957

the designation of

Ahysical Security Professional

in hitness thereof this certificate is granted



Valid through December 2017



Twen Monagh

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Certification Number

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The Security Industry Association

certifies that

JOHN W. PETERSON

Security Project Manager and fulfilled the requirements of its Tuccessfully demonstrated the knowledge and skills of a Tertified Gecurity Project Manager Program and is, therefore, designated a

CERTIFIED SECURITY PROJECT MANAGER (CSPM)

on this 19th day of Ffrid, 2011

RICHARD W. CHACE, IOM Chief Executive Officer
Security Industry Association



Udlim and U NaDIM SAWAYA President Enterprise Performance Consulting

CHNICAL CERTIFICATION AZALEA NETWORKS AWARD Ш Н

THIS CERTIFICATE IS AWARDED TO

JOHN PETERSON

FOR RECOGNITION OF COMPLETION OF THE OFFICIAL TRAINING COURSE INSTALLATION OF AZALEA'S WIRELESS NETWORK SOLUTION z

Brian Caffer



Brian Carlson, Vice president & general manager, azalea networks



KEY WEST HISTORIC SEAPORT

201 William Street Key West, FL 33040

ADDENDUM NO. 1 KWHS CCTV Surveillance System RFP #05-015

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is hereby addended in accordance with the following items:

General Notes and Clarifications:

- 1. All cable to be suitable for wet locations.
- 2. Replace 21.5" LCD Monitor with 32" Full-HD (1080p) LCD Monitor Wall Mount.
- 3. Add (1) 42" Full-HD (1080p) LCD Monitor Wall Mount at Dockmaster Office.
- 4. Viewing of live feed and recording playback required at both monitoring stations.
- 5. Add PZT camera to South corner of Dockmaster Building.

RFP Questions Submitted:

1. Will the City provide parking areas for the contract vehicles or will parking cost be on the contractor?

The Key West Historic Seaport will provide up to 5 parking spaces in the main parking lot at no charge to the contractor

2. Will a secure storage area be provided onsite for equipment and tools during the installation?

No, it is the contractor's responsibility to provide secure storage for equipment and tools

3. During the meeting the specification requirement for the PTZ cameras were dropped from 3MP to 1080P as a minimum requirement. This was done to allow for industry standard on this type camera.

All PZT Cameras to be HD1080p

4. If Wireless is used for the project. 4.9 public safety frequency will be secured by the City.

If wireless is used it will be the responsibility of the consultant to prepare and submit the application to the FCC in the City's name

5. Recording parameters are to be 15 frames per second recording for a minimum of 15 days of storage. Please confirm as stated during the meeting.

Recording parameters to be 15 frames per second on motion with minimum 30 days storage

6. The vendor should allocate for 15% growth in their design

New system to allow for a 15% min. equipment increase in capacity

7. What is the budget for this project?

The Seaport has an estimated \$80,000 budget

8. The drawings provided are only a representation of the areas that need coverage. It is up to the contractor to select proper cameras and engineer a system to meet the budget and take the coverage suggestion in their implementation.

Yes, the drawings are a representation of needed coverage. It is the consultant's responsibility to engineer and implement the system

All Bidders shall acknowledge receipt and acceptance of this **Addendum No. 1** by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

 $\frac{4/2/15}{\text{Name of Business}}$





To: City Of Key West Attn: Purchasing

Re: Seaport Surveillance System Compliance

1.01 WORK INCLUDED

1. The Contractor will design and furnish all CCTV Surveillance System material, equipment, machinery, and labor to accomplish the following minimum requirements for each site:

a. Key West Historic Seaport Exterior Common Areas (Drawing A):

- · Wide Angle Fixed 3 Megapixel HD Weatherproof Network IR Cameras (1080p resolution) *Confirmed 1080P resolution*
- · PTZ 3 Megapixel HD Weatherproof Network IR Cameras ((1080p resolution)(23x optical zoom)) *Confirmed 1080P resolution 30X Zoom*
- Full-HD Network Video Recorder with 30 day Back-up Storage Capability and room for future expansion
- · 21.5" Full-HD (1080p) LCD Monitor Confirmed, addendum #1 changed to 32 inch.

b. Ferry Terminal Building and Grounds (Drawings B & C):

- · Wide Angle Fixed 3 Megapixel HD Weatherproof Network IR Cameras (1080p resolution) *Confirmed 1080P resolution*
- · Wide Angle Fixed 3 Megapixel HD Network IR Cameras (1080presolution) Confirmed 1080P resolution

c. General:

- · Proposer's representative must inspect site to determine potential re-use of existing power sources and conduit. *Confirmed IFSS performed onsite review and attended pre bid meeting.*
- · System must have remote viewing capabilities on the City's Network for employee's computers and iPhones and other hand-held devices. System is capable of being viewed remotely via Apple & Android apps at no cost. Routing capabilities to the World Wide Web shall be done by the City's IT staff.
- · System shall include all necessary software and licenses. Confirmed
- · There shall not be re-occurring licensing fees. Confirmed
- · System shall have a complete stand-alone monitoring system (located at 201 William Street) *Confirmed*
- · System shall have constant coverage of areas. Confirmed
- · System shall have viewing in color. Confirmed
- · System shall be capable of withstanding harsh environment including corrosive conditions caused by saltwater and hurricane winds and/or be in protective housing *Confirmed, all products being installed are rated for their environments*.



- · Cables shall be protected from vandalism by the use of conduit or other means *Confirmed*
- · System shall be capable of withstanding power surges and regular power outages *Confirmed, IFSS has included the proper UPS power supplies.*
- · Cameras shall be vandal resistant Confirmed
- 2. Contractor will be responsible for identifying and verifying availability of locations for mounting cameras or equipment. If mounting locations are not available, Contractor will be responsible for installing mounting locations. Installation shall be included with Proposal. Confirmed, Installation is included in this proposal. IFSS has slightly altered the original design of the sea port section of work. The Ferry Terminal remains as designed by the City.
- 3. Contractor to provide a complete written description including system capabilities, type of cameras including brand, capability of cameras, recording ability in quality and quantity and upgrade/ expansion capabilities. *Confirmed, included within IFSS response*.
- 4. Contractor to provide a complete written description including type of system and brand of stand-alone monitoring / retrieval system. Description shall include playback capability, copying to DVD, print screen ability, etc... *Confirmed, included within IFSS response*.
- 5. Contractor to provide a complete system layout showing camera locations, wiring, antennas, etc. *Confirmed, included within IFSS response*.
- 6. Contractor to provide cut sheets on all equipment including cameras, computers, recording devices, wiring, etc. *Confirmed, included within IFSS response*.
- 7. The City is requiring the Proposer to warranty all materials and labor for two (2) years. Warranty will begin once the City determines the system is operating as specified in the technical specifications for a period of 30-days. Provide complete written description of warranty and what it covers. Confirmed, warranty to being upon beneficial use of system. All warranty work will be performed from our local office @ 5680 1st Ave Unit 3, Key West FL 33040.
- 8. Contractor to describe how the cameras, antennas, etc. will be protected in the harsh coastal environment including type of housing units. *Confirmed, all products being provided and installed are rated for their environment.*
- 9. Contractor to describe how the cameras, antennas, monitoring / recording equipment etc. will be protected against power surge. *Confirmed, IFSS has included UPS and switches*.
- 10. Contractor to describe the type of training, if any, provided with the proposed system. *Confirmed, IFSS has included 8 hours of end user training.*
- 11. Contractor shall secure permits as necessary for proper execution and completion of the work and shall ensure that all Federal, State, and Local codes are followed. *Confirmed, IFSS has included permit fees required for the project.*
- 12. Contractor shall take the necessary steps to secure the site including fencing, barricades, and/or security to prevent entry by unauthorized persons. The Deputy Port &



Marine Services Director or designee shall approve security measures. Confirmed, after reviewing the site and scope we do not believe there is a need for fencings or barriers as part of this project.

13. It shall be the Contractor's responsibility to request approval for entrance to certain areas of worksite for work on Saturdays, Sundays, holiday, and weekday hours other than 7:00 am until 5:00 pm. *Confirmed, if IFSS requires working during off normal hours we will request in advance.*

Justin Peterson

Pres



To: City Of Key West Attn: Purchasing

Re: Seaport Surveillance System Description

IFSS' proposed system is comprised of all commercial-off-the-shelf and non-proprietary products. The system is a combination of HikVision IP cameras and video management software, Dell client workstations, and FluidMesh point-to-point & point-to-multipoint wireless video/data links.

This combination of products and services will provide the City a two year warranty and no scheduled cost-of-ownership or licensing fees.

We have met the intent for the design that was provided by the City of Key West.

System Specifics:

We propose deployment of a distributed system having multiple network video recorders, wireless links, (2) client workstation locations, and multiple camera locations. The (4) locations of the NVR's are:

- Conch Republic restaurant, having (6) cameras attached to a Network Video Recorder (NVR) with 8 TB of available video storage. (3) Cameras mounted & installed on Conch Republic and another (3) cameras transmitting wirelessly from the Record Studio to the Conch Republic server. Conch Republic links wirelessly to the Dock Masters client location.
- 2. 201 William Street, having (13) cameras and one client workstation attached to its own NVR with 12TB of storage. (7) of these cameras are attached to the 201 William Street building, (2) cameras transmitting wirelessly from Schooner Wharf, and (4) cameras transmitting wirelessly from Turtle Kraals. The link between 201 William Street & the Dock Master location is design as a 60Mbps link, but is scalable to 100Mbps for future expansion.
- 3. Dock Masters, having (10) cameras and one client workstation attached to an NVR with 12TB storage. (7) cameras are located on the Dock Masters' facility while the (3) cameras from The Half Shell Raw Bar are transmitted wirelessly to the Dock Master server. The Dock Master facility is a main distribution and receiving point for wireless connections to all servers, including the Ferry Terminal.



4. Ferry Terminal, having (12) local camera connections attached to an NVR with 12 TB of storage. This location's NVR is wirelessly transmitting back to the Dock Master location.

This combination of 41 cameras can be seen in live view, controlled (if PTZ capable), and review recorded video from either of the client workstation locations at the Dock Master or the 201 William Street location. This system can be access by smart phone, Apple, or Android devices if allowed via the city technology department and available resources / bandwidth.

Depending on client log in credential an administrator can allow rights for viewing only, control of cameras (such as PTZ movement), and the review or export of recorded video.

We are confident that our design meets or exceeds the intent of the specification in all respects. IFSS prides itself on using best-of-breed, proven technologies in accomplishing our customers' security goals.

We look forward to the opportunity of partnering with the City of Key West in this important project.

Justin Peterson

Pres



Filename:

PORT-EYW

Date: Version:

4/5/15 #1

Job No:

Total:

\$128,541.14

Job Name: RFP-Closed Circuit Television-0-2015/SS

To: City of Key West Phone: 305-809-3815

Attn: Sue Snider-Purchasing

IFSS Rep: Justin Peterson

QTY 2 2 6 4 1 1 1	Part Number DS-2DF7286-AEL DS-1634ZJ DS-2CD2632F-I DS-2CD2732F-I Trendnet DS-9632NI-ST UPS FMPONTE	Ferry Terminal System Description 1080P Outdoor Rated PTZ Camera Wall Mount & Back Box for Out Door PTZ 1080P IR Bullet Camera Out Door Rated 1080P Indoor IR Vandal Proof Dome 16 Port POE 10/100/1000 Rack Mount Switch 32 Channel NVR Recorder with 12TB of Storage Uninterruptable Power Supply for NVR & Switch Fluid Mesh 50MB Wireless to Dock Master Location	Total	
QTY	Part Number	Seaport Common Areas & Dock Masters Location	Total	\$23,503.00
6	DS-2DF7286-AEL	1080P Outdoor Rated PTZ Camera		
6	DS-1634ZJ	Wall Mount & Back Box for Out Door PTZ		
23	DS-2CD2632F-I	1080P IR Bullet Camera Out Door Rated		
3	Trendnet	16 Port POE 10/100/1000 Rack Mount Switch		
3	TPE-TG81g	8 Port POE+ GreenNet Gigabit Switch		
2	DS-9632NI-ST	32 Channel NVR Recorder with 12TB of Storage		
1	DS-9616NI-ST	16 Channel NVR Recorder with 8TB of Storage		
5	UPS	Uninterruptable Power Supply for NVR & Switch		
1	FMPONTE	Fluid Mesh 50MB Wireless Schooner Warf to 201 William St		
1	FMPONTE	Fluid Mesh 50MB Wireless Record Studio to Conch Republic		
1	FMPONTE	Fluid Mesh 50MB Wireless Turtle Kraals to 201 William St		
1	FMPONTE	Fluid Mesh 50MB Wireless Half Shell to Dock Master		
1	FMPONTE	Fluid Mesh 50MB Wireless Conch Republic to Dock Master		
2	FM1200V	Fluid Mesh Scalable Throughput Dock Master to 201 William St		
2	FM1200V-60	60Mbps Throughput Licensing For FM1200V Radios		
2	OptiPlex	Dell Client Work Station Dual Monitor		
1	32LCD	Wall Mount 32" LCD Display 201 William St		
1	42LCD	Wall Mount 42" LCD Display Dock Master	2200	

Total \$105,038.14

Notes:

- 1 All work to be done during normal working hours (Monday Friday 7am-5pm)
- 2 Two year standard warranty from beneficial use on installation and equipment is included.
- 3 The above listed equipment shall be provided, installed, programmed, tested and certified by IFSS.
- 4 The City of Key West shall provide IP addresses for each IP device. IFSS will provide a list.
- 5 Permit fees have been estimated @ 2.4% of the project value.
- 6 IFSS will train onsite personnel in using and operating the provided system. (8 hours)
- 7 Tax is included in this proposal
- 8 Ground freight is included in this proposal
- 9 Bill of materials as provided is for bid purposes and is subject to change during the engineering process.
- 10 This proposal is only valid for 60 days, with out written authorization from an IFSS Officer.
- 11 Customer operation and maintenance training introduction are included in this quotation.
- 12 IFSS requires 45 days to complete installation from obtaining permit.
- 13 Equipment lead time is approximately 30 days to site from approval to release equipment.
- 14 Payment and Performance bond has been included in this proposal.

INTEGRATED FIRE & SECURITY SOLUTIONS, Inc.

7857 Drew Circle Suite 15 Fort Myers FL, 33967 Voice (239) 415-4374 fax (239) 415-4378 EC0001085 Project: '-Closed Circuit Television-0-2015

Customer Reference:

PORT-EYW

Integrated Fire & Security Reference:

Date: Sale Price: 4/5/15 \$128.541.14

INTEGRATED FIRE & SECURITY SOLUTIONS Terms and Conditions of Sale

1. LIMITATION OF WARRANTY: Purchaser understands that IFSSI is not an Insurer. Subject to the limitations below, IFSSI warrants that the Product as distinguished from Software) be free from defects in material and workmanship under normal use for a period of one year from the date of first beneficial use of all or any part of this Product or 18 months after Product shipment whichever is earlier provided, however, that IFSSI sole liability, and purchaser's sole remedy, under said warranty, hall be limited to the repair or replacement of any Product, or part thereof, which IFSSI determines to be defective at IFSSI sole option and subject to the availability of service personnel and parts, as determined by IFSSI. IFSSI warrants expendable items including, but not limited to, video and print heads, television camera tubes, video monitor display tubes, batteries and certain other products in accordance with the applicable manufacturer's warranty. 'IFSSI' does not warrant devices designed to fail in protecting a system such as, but not limited to fuses and circuit breakers. 'IFSSI' warrants that any 'IFSSI' Software described in this Agreement, as well as that Software contained in or sold as part of any Product described in this Agreement, will reasonably conform to its published specifications in effect at the time of delivery and for ninety (90) days after delivery. However, Purchaser agrees and acknowledges that the Software may have inherent defects because of its complexity. 'IFSSI' sole obligation with respect to Software, and purchasers sole remedy, shall be to make available published modifications, designed to correct inherent defects, which become available during the warranty period.

- 2. VALIDITY PERIOD: The price quotes provided are valid for 30 days unless otherwise specified in writing by 'IFSSI'.
- 3. INTEGRATED FIRE & SECURITY SOLUTIONS: Purchaser others agrees that "IFSSI" offers various levels of services and that the Purchaser, after reviewing the same, has contracted with "IFSSI" to perform only the services described in writing in this Agreement. "IFSSI" denies liability for materials, supplies or work provided by other persons. Unless specifically contracted for. "IFSSI" denies any supervisory role and this Agreement shall not commit "IFSSI" to any supervisory role, including, but not limited to the placement or routing of any wires or other Product. If this Agreement includes a quote for Monitoring Services to be supplied by IFSSI". Purchaser agrees for himself, and any assignees to this Agreement that "IFSSI" shall have no duty to perform such Monitoring Services until and unless the Purchaser, and any assignee including but not limited to the end-user, agree to and sign a "IFSSI" Monitoring Agreement approved and signed by an authorized representative of "IFSSI".
- 4. CANCELLATION: Any cancellation must be made in writing. Recognizing that 'IFSSI' damages arising from cancellation will be difficult to estimate or determine, the following changes shall be construed as liquidated damages representing an approximation of the administrative, engineering, and other costs 'IFSSI' will actually incur in reliance upon this Agreement and not as a penalty: If, prior to shipment. Purchaser cancels this Agree right to any portion thereof, for any reason not attributable to 'IFSSI'. Purchaser agrees to pay 'IFSSI' an amount equal to 20% of the price of the products canceled if the cancellation occurs more than 21 days after 'IFSSI' receives Purchaser's order or Purchaser accepts this Agreement. If Purchaser cancels after shipment, Purchaser agrees to pay the above 20% of the price of the products canceled, return the products already shipped, and to pay 'IFSSI' an additional amount equal to 30% of the value of the returned products to cover the estimated costs of transportation and restocking.
- 5. LIMITATION OF REMEDY: It is understood and agreed that since it is impractical and extremely difficult to fix actual damages, if any, or ascertain what, it any, portion of any loss of injury would be proximately caused by the failure of 'IFSSI' Product and/or Software to operate, or to operate properly, or 'IFSSI' to perform any of its obligations or services described herein, UNDER NO CIRCUMSTANCES WILL 'IFSSI' LIABILITY FOR ANY DAMAGES, INCLUDING BUT NOT LIMITED TO THOSE ARISING IN ANY WAY OUT OF THE INSTALLATION USE DESIGN OR FUNCTION OR FAILURE TO FUNCTION OF ANY PRODUCT AND SOFTWARE SOLD BY 'IFSSI'. BE IN EXCESS OF THE PURCHASE PRICE PAID FOR THE PRODUCT, SOFTWARE AND/OR SERVICES. THIS SUM SHALL BE THE PURCHASER'S SOLE, A COMPLETE AND EXCLUSIVE REMEDY AND SHALL BE PAID AND RECEIVED AS LIQUIDATED DAMAGES OR A LIMITATION OF LIABILITY AMOUNT AGREED ON BY THE PARTIES AND NOT AS A PENALTY. IN NO CIRCUMSTANCES WILL 'IFSSI' BE HELD LIABLE FOR ANY CLAIMS, LOSSES, DAMAGES OR INJURIES ARISING FROM OR CAUSED BY THE PURCHASER'S OR ANY OTHER PARTY'S MATERIAL, EQUIPMENT, ACTIONS, OR OMISSIONS. If Purchaser wishes' IFSSI' to increase the amount of the above limitation of liability or liquidated damages amount stated in this Agreement, Purchaser may inquire about obtaining an increase to this amount in exchange for an increase or contract price. Under no circumstances will an increase in the purchase or contract price be construed to mean that 'IFSSI' is an insurer of that the obligations of obtaining and maintaining insurance are not with the Purchaser.
- 6. INSURANCE OBLIGATIONS: It is understood and agreed by the Purchaser that 'IFSSI' is not an insurer and that it is the Purchaser's obligation to obtain and maintain any insurance covering any losses to property or personal injury or any other damage which may occur at the premises where the 'IFSSI' Product, Software or Services. Which fro the basis of this Agreement are delivered, assembled, installed, used, or performed. The Purchaser agrees to list 'IFSSI' as an additional insured on all such policies and to provide 'IFSSI' a copy of the Certificate of Insurance upon request. Purchaser further agrees that the Certificate of Insurance shall contain a provision that coverage afforded under the policies will not be canceled or materially altered until at least thirty (30) days after written notice is given to 'IFSSI'.
- 7. WAIVER OF SUBROGATION: Purchaser does hereby for itself and all other parties claiming under it release and discharge 'IFSSI' from and against all hazards covered by Purchaser's insurance. It being expressly agreed and understood that no insurance company insurer, or any other third party will have any right of subrogation against 'IFSSI'.
- 8. LIMITATION OF ACTIONS: The Purchaser hereby agrees that no claim, suit or action of any kind shall be brought against 'IFSSI', Its agents, employees, and/or officers more than one year after the claim arises, whether known or unknown when the claim arises, provided however, that it there is a claim, suit, or cause of action arising under the Warranty, it must be brought, if at all, within six months of expiration of the Warranty period stated above. This clause is in no way to be interpreted as an extension of the Express Warranty stated in paragraph 1 above
- 9. DRUG FREE WORKPLACE POLICY: 'IFSSI' has a written drug free workplace policy available for review by written request.
- 10. INSTALLATION: The installation of any Product is NOT INCLUDED unless specifically provided for in this Agreement.

- 11. TITLE: The Software and any relevant Product as described in this Agreement shall remain the personal property of IFSSI, even if attached to realty or other property. Customer shall not sell, assign, encumber of remove the Product of Software without the prior written consent of IFSSI. Customer shall perform all necessary acts to preserve and protect the right, title and interest of IFSSI in the Product and Software including but not limited to signing any financing statements or other documents requested by IFSSI or its agents. IFSSI may inspect the product and Software during normal business hours and may affix labels or notices of ownership on the Product and Software.
- 12. FORCE MAJEURE: IFSSI shall not be liable for any loss or damage of any kind resulting from delay, inability to deliver, or install, or to perform any other work under this Agreement on account of fire, flood, labor problems, access to premises, accidents, acts of civil or military authorities, acts of God, or from any other causes beyond IFSSI control.
- 13. DRAWINGS: All drawings an wire diagrams provided by IFSSI in connection with this Agreement are protected under United States Copyright Laws and professional. Intended solely for the use of the installing contractor as a general guide for the installation of the System. Those drawings and wire diagrams are prepared in accordance with the project plans and specifications available to IFSSI at the time of the bid and are NOT intended to be System design or approval documents. IFSSI is not a design professional. Under no circumstances is any clause in this agreement or any actions taken by IFSSI to be construed in such a way as to impose upon IFSSI the duties or liabilities of a design.
- 14. CHANGE ORDERS: This Agreement can be modified, amended or altered only by an Agreement in writing, signed by both parties or their duty authorized representatives.
- 15. SOFTWARE LICENSE AND USE: Software Products provided by IFSSI are licensed, not sold. In the Customer. Customer has only a non-exclusive, non- transferable license to use the software ('License'). IFSSI retains all right, title and interest to the Software. In some cases, I FSSI may have a right to re-license the Software. 'Software' shall mean any part of Software provided by IFSSI in machine readable from indicated on this Agreement or contained in any IFSSI Product indicated on this agreement to ordered subsequently, any modified versions and all related documentation. Customer shall use the Software only on the Product and all the Product Site listed herein. Any Software received by Customer at any time is subject to this agreement. The License term begins upon delivery of the Software and continues until the last use of the Software with the Product, unless terminated IFSSI may terminate this License if Customer. (1) Fails to perform any obligation under the Agreement; (2) ceases to do business as a going concern; (3) has its assets assigned or attached by law. Within five (5) days after the License terminates. Customer shall, at its expense, return the Software to IFSSI and destroy all copies of the Software, including memory or storage copies.
- 16. PROTECTION AND NON-DISCLOSURE: Customer shall maintain the Software in strict confidence and shall disclose it only to its employees requiring access. Customer shall implement adequate procedures controlling access to and use of the Software consistent with the protection of IFSSI rights. Customer may duplicate Software only for internal use on the Product according to IFSSI instructions.

THIS QUOTATION AND ANY RESULTING CONTRACT SHALL BE SUBJECT TO THE GENERAL TERMS AND CONDITIONS CONTAINED HEREIN

Order By: Integrated Fire & Security Solutions 7857 Drew Circle Suite 15	Accepted By: Company Name: Address:	
Fort Myers FL, 33967 Voice (239) 415-4374 fax (239) 415-4378 Representative Name:	Representative Name: Representative Signature:	
Representative Name: Representative Signature: Justin Peterson	Title: P.O. #: Date:	
Date: 4/5/2015	Sale Price:	\$128,541.14

*

DS-2DF7286-AEL

2 MP 30X Network IR PTZ Dome Camera

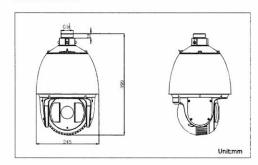




Key features

- •1/2.8" Progressive Scan CMOS
- ·30X optical zoom, 16X digital zoom
- ·Smart Tracking, Defog, ROI encoding, HLC
- ·Smart IR, 120m IR distance
- •3-Streams
- •True Day/Night, 3D DNR, Digital WDR
- ·3D intelligent positioning
- ·24VAC / High-PoE power supply

Dimensions



Accessories



Company	DS-2DF7286-AEL
Camera	1/2 Oll Dearwaring Comp CMOS
Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixel	1320K pixels
Min. Illumination	Color: 0.05 lux (F1.6, AGC On); B/W: 0.005 lux (F1.6, AGC On); 0 Lux with IR
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
AGC	Auto / Manual
S / N Ratio	≥ 50dB
Digital Noise Reduction	3D DNR
Backlight Compensation	HLC/BLC
Wide Dynamic Range	Digital WDR
Shutter Speed	50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s
Day & Night	IR Cut Filter
Digital Zoom	16X
Privacy Masking	Up to 24 zones, maximum 8 zones on a same image, multiple colors and mosaics optional
Focus Mode	Auto / Semiautomatic / Manual
Enhancement	Smart Defog: on / off
ARRADIAN AND AND AND AND AND AND AND AND AND A	Smart Delog. on 7 on
Lens	
Focal Length	4.3 ~ 129.0mm, 30x
Zoom Speed	Approx 3s(Optical Wide-Tele)
Angle of View	57.4-2.8 degree (Wide-Tele)
Min. Working Distance	10 ~ 1,500mm(Wide-Tele)
Aperture Range	F1.6 ~ F5.0
Pan and Tilt	
The state of the s	Connect
Smart tracking	Support Support
Pan / Tilt Range	Pan: 360° endless; Tilt: -2° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan Manual Speed: 0.1° ~ 160° /s, Pan Preset Speed: 160° /s Tilt Manual Speed: 0.1° ~ 120° /s, Tilt Preset Speed: 120° /s
	Tilt Manual Speed: 0.1 ~ 120 /s, Tilt Preset Speed: 120 /s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Power-off Memory	Support
THE REAL PROPERTY AND THE PROPERTY OF THE PROP	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
Park Action	
PTZ Position Display	On / Off
Preset Freezing	Support
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
	Dome reboot/Self-test action/Alarm output
Infrared	
Smart IR	Support
IR Distance	Up to 120m
IR Intensity	Automatically adjusted, depending on the zoom ratio
Alarm	Automatically adjusted, depending on the zoom ratio
Alarm Input	7
Alarm Output	2 relay outputs, alarm response actions configurable
Alarm Action	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client
Input/Output	
Video Output	1.0V[p-p] / 75Ω, PAL / NTSC composite, BNC
Audio Input	Audio input (LINE input), 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio Output	Line level, impedance: 600Ω
	Line level, impedance: 00012
Network	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max. Image Resolution	1920×1080
Frame Rate	60Hz:30fps(1920×1080)
	30fps(1280×960) 30fps (1280×720)
Image Compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile
ROI encoding	Support 24 areas with adjustable levels
Audio Compression	G.711u /G.711a /G.726
	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP,
Protocols	UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	
	Up to 10
Streams	Three Streams
Mini SD Memory Card	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording
User/Host Level	Up to 32 users, 3 Levels: Administrator, Camera control, Live view only
Security Measures	User authentication(ID and PW); Host authentication(MAC address); IP address filtering
Integration	The state of the s
Application programming	Open-ended API, support Onvif, PSIA and CGI
Web Browser	IE 7, IE 8, IE 9, Chrome 8 +, Firefox 3.5 +, Safari 5 +, support multi-language
General	IL 1, IL 0, IL 3, CHIOHE 0 T, FREIOX 3.3 T, SaidH 3 T, Support multi-language
	LUIQUICION Deles D celles D celles de stive
RS-485 Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power	24 VAC: Max. 65W (heater: 45W)
	High-PoE: Max. 50W (heater: 20W) 24 VAC: -40° C ~ 65° C(-40° F ~ 149° F)
Working Temperature	24 VAC: -40 C ~ 65 C(-40 F ~ 149 F)
	High-PoE: -30° C ~ 65° C(-22° F ~ 149° F)
Humidity	90% or less
Protection Level	IP66 standard
	TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ 245 × 399mm (Φ 9.65" × 15.71")
Weight (approx.)	5.5kg(12.13lbs)
The second secon	Long-arm wall mount: DS-1614ZJ; Corner mount: DS-1633ZJ; Pole Mount: DS-1622ZJ;
Mount Option	Power box mount:DS-1634ZJ

Order models

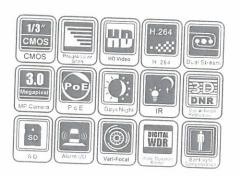
DS-2DF7286-AEL: High-PoE & 24VAC, outdoor



DS-2CD2632F-I(S)

3.0MP VF IR Bullet Network Camera

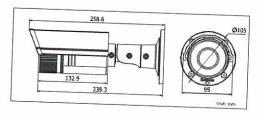




Key features

- Up to 3 megapixel (2048 x 1536) resolution
- Full HD1080p real-time video
- Vari-focal lens
- IR LEDs (up to 30m)
- · DWDR & 3D DNR & BLC
- · IP66
- Support onboard storage (up to 64GB)
- · (-S) Audio I/O, Alarm I/O

Dimensions



	DS-2CD2632F-I (S)
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.095 lux@F1.4 0 lux with IR
Shutter time	1/30s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4, angle of view: 98° ~ 30.5°
Lens mount	Ф14
Day & night	ICR
Digital noise reduction	3D DNR
Wide dynamic range	Digital WDR
Backlight compensation	
Compression standard	31100
Video compression	H.264 / MJPEG
H.264 compression profile	Main profile
Bit rate	32 Kbps ~ 16 Mbps
Audio compression (-S)	G.711 / G.726
Audio bit rate (-S)	
Image	64Kbps (G.711) / 16Kbps (G.726)
Max. image resolution	2048 × 1536
Frame rate	60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720)
Image settings	Saturation brightness contract adjustable to
Network	Saturation, brightness, contrast adjustable through client software or web browse
Network storage	NAS
Alarm trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPni ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS
System compatibility	ONVIF, PSIA, CGI
Seneral functionalities	User authentication, watermark, dual stream
nterface	and orbain
communication interface	1 RJ45 10M / 100M ethernet port
n-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
eneral	Solve said slot, up to 64 GB
perating conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing)
ower supply	DC12V ± 10%, PoE (802.3af)
ower consumption	Max. 5.5W (7.5W with ICR on)
gress protection level	IP66
range	Up to 30m
mensions	95 x 105 x 258.6 mm (3.74" x 4.13" x10.18")
eight	1200g

DS-2CD2632F-I, DS-2CD2632F-IS

^{* -}S (special order): 1-ch audio I/O interface, 1-ch alarm I/O interface.



DS-2CD2732F-I(S)

3.0MP VF IR Dome Network Camera

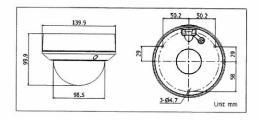




Key features

- · 3 megapixel (2048 x 1536) high resolution
- Full HD1080p real-time video
- IR LEDs: up to 20m
- · DWDR & 3D DNR & BLC
- · Support onboard storage (up to 64GB)
- (-S) Audio I/O, Alarm I/O
- IP66
- · Vandal-proof

Dimensions



Backlight compensation Angle adjustment Pan: 0 ~ 360°, tile: 0° ~ 75°, rotation: 0° ~ 360° Compression standard Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Prame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Image Circle 20 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power consumption IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")		DS-2CD2732F-I(S)		
Min. illumination O.095 lux@F1.4 Olux with IR Shutter time 1/305 ~ 1/100,000s Lens 2.8 ~ 12mm @ F1.4, Angle of view: 98° ~ 30.5° Lens mount Ф14 Day & night ICR Digital noise reduction Mide dynamic range Backlight compensation Angle adjustment Pan: 0 ~ 360°, tile: 0° ~ 75°, rotation: 0° ~ 360° Compression standard Video compression H.264 / MJPEG H.264 compression profile 32 Kbps ~ 16 Mbps Audio compression (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols TCP/IP, HTTP, DHCP, DNs, DDNs, RTP, RTSP, PPPoE, SMTP, NTP, UPnf (DMP, IGMP, SNMP, FTP, 802.1X, QoS, HTTPS) System compatibility ONVIF, PSIA, CGI Communication interface Communication interface Comboard storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Deveer supply DC12V ± 10%, PoE (802.3af) Power consumption Impact protection Ige66 R range Up to 20m plinensions	Camera			
Shutter time 1/30s − 1/100,000s Lens 2.8 − 12mm @ F1.4, Angle of view: 98° − 30.5° Lens mount Φ14 Day & night ICR Digital noise reduction 3D DNR Wide dynamic range Digital WDR Backlight compensation Angle adjustment Angle adjustment Pan: 0 − 360°, tile: 0° − 75°, rotation: 0° − 360° Compression standard Video compression H.264 / MJPEG H.264 / MJPEG H.264 compression profile Main profile Bit rate 32 Kbps − 16 Mbps Audio compression (-S) 6.711 / G.726 Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Bit rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPDE, SMTP, NTP, UPnf ICMP, IGMP, SNMP, FTP, 802.1X, Qos, HTTPS Osystem compatibility ONVIF, PS	Image sensor	1/3" progressive scan CMOS		
Lens 2.8 ~ 12mm @ F1.4, Angle of view: 98° ~ 30.5° Lens mount	Min. illumination			
Lens mount Day & night Day & night Digital noise reduction Wide dynamic range Backlight compensation Angle adjustment Compression standard Video compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) Bit as Saturation, brightness, contrast adjustable through client software or web browse Network Network storage Nax motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols CicPP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf (CMP, IGMP, SNMP, FTP, 802.1X, QoS, HTTPS) ONVIF, PSIA, Cgl General functionalities Dual stream, user authentication, watermark interface Communication interface Dn-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions Power consumption Max. 5.5W Image sprotection level IR Range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Shutter time	1/30s ~ 1/100,000s		
Day & night ICR Digital noise reduction 3D DNR Wide dynamic range Backlight compensation Angle adjustment Pan: 0 ~ 360°, tile: 0° ~ 75°, rotation: 0° ~ 360° Compression standard Video compression H.264 / MJPEG H.264 compression profile Main profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Alarm trigger Solution 10 Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols 10 TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP, ISMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark interface Communication interface 1 R.J45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C - 60 °C (-22 °F - 140 °F), humidity 95% or less (non-condensing) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Impact protection Ievel IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Lens	2.8 ~ 12mm @ F1.4, Angle of view: 98° ~ 30.5°		
Digital noise reduction Wide dynamic range Backlight compensation Angle adjustment Pan: 0 ~ 360°, tile: 0° ~ 75°, rotation: 0° ~ 360° Compression standard Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Network Network Network storage Alarm trigger Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF ICMP, IGMP, SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Interface Communication interface On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB Genoral Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Image spince of the communication interface Interface Communication interface IEC60068-2-75Eh, 50J; EN50102, up to IK10 Impact protection level R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Lens mount	Ф14		
Wide dynamic range Backlight compensation Angle adjustment Pan: 0 ~ 360°, tile: 0° ~ 75°, rotation: 0° ~ 360° Compression standard Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Assumance resolution Assumance rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image Max. image resolution Assumance rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image settings Asturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Addition detection, tampering alarm, network disconnect, IP address conflict, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Interface Communication interface On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB Genoral Operating conditions -30 °C - 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection Ingress protection level R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Day & night	ICR		
Backlight compensation Angle adjustment Pan: 0 ~ 360°, tile: 0° ~ 75°, rotation: 0° ~ 360° Compression standard Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Prame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface I RJ45 10M / 100M ethernet port Dn-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Image Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Digital noise reduction	3D DNR		
Angle adjustment Compression standard Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps – 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) Image Max. image resolution Frame rate 60 Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Alarm trigger Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Interface Communication interface Dn-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power consumption Max. 5.5W Image Cinensions Φ 140 x 99.9 mm (Φ 5.51° x 3.94°)	Wide dynamic range	Digital WDR		
Compression standard Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) G4Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Collection Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf (CMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS) System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Image Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Backlight compensation			
Video compression H.264 / MJPEG H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) G.711 / G.726 Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage MAS Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf (CMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS) System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Image Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Angle adjustment	Pan: 0~360°, tile: 0° ~75°, rotation: 0° ~360°		
H.264 compression profile Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Prame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, Qos, HTTPS System compatibility ONVIF, PSIA, CGI Dual stream, user authentication, watermark Interface Communication interface On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Image Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Compression standard			
Bit rate 32 Kbps ~ 16 Mbps Audio compression (-S) Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SMMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI Qual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Video compression	H.264 / MJPEG		
Audio compression (-S) G.711 / G.726 Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Motion detection, tampering alarm, network disconnect, IP address conflict, storage error TCP/IP, HTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf (CMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS) System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface Don-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C - 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level R range Up to 20m Dimensions Ф 140 x 99.9 mm (Ф 5.51" x 3.94")	H.264 compression profile	Main profile		
Audio bit rate (-S) 64Kbps (G.711) / 16Kbps (G.726) Image Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF (CMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS) General functionalities ONVIF, PSIA, CGI Dual stream, user authentication, watermark Interface Communication interface On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C - 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	Bit rate	32 Kbps ~ 16 Mbps		
Image Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnFICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	Audio compression (-S)	G.711 / G.726		
Max. image resolution 2048 × 1536 Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	Audio bit rate (-S)	64Kbps (G.711) / 16Kbps (G.726)		
Frame rate 60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	Image			
Image settings Saturation, brightness, contrast adjustable through client software or web browse Network Network Network storage NAS Alarm trigger Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF ICMP, IGMP, ISMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface I RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (Φ 5.51" x 3.94")	Max. image resolution			
Network Network storage NAS Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (\$\psi\$ 5.51" x 3.94")	Frame rate	60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720)		
Network storage Alarm trigger Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnf ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level R range Up to 20m Dimensions 4 140 x 99.9 mm (\$\psi\$ 5.51" x 3.94")	Image settings	60Hz: 15fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) Saturation, brightness, contrast adjustable through client software or web browser		
Motion detection, tampering alarm, network disconnect, IP address conflict, storage full, storage error Protocols TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level R range Up to 20m Dimensions Motion detection, tampering alarm, network disconnect, IP address conflict, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPOE, SMTP, NTP, UPnF ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS ONUS, HTTPS ONVIF, PSIA, CGI TRJ45 10M / 100M ethernet port On-board storage Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption IEC60068-2-75Eh, 50J; EN50102, up to IK10 IEC60068-2-75Eh, 50J; EN50102, up to IK10 IEC60068-2-75Eh, 50J; EN50102, up to IK10 IEC60068-2-75Eh, 50J; EN50102, up to IK10	Network			
storage full, storage error TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnF ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	Network storage	NAS		
ICMP,IGMP,SNMP, FTP, 802.1X, QoS, HTTPS System compatibility ONVIF, PSIA, CGI General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	Alarm trigger			
General functionalities Dual stream, user authentication, watermark Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level R range Up to 20m Dimensions Ф 140 x 99.9 mm (Ф 5.51" x 3.94")	Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP ICMP,IGMP,SNMP, FTP, $802.1X$, QoS, HTTPS		
Interface Communication interface 1 RJ45 10M / 100M ethernet port On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions 4 140 x 99.9 mm (4 5.51" x 3.94")	System compatibility	ONVIF, PSIA, CGI		
Communication interface 1 RJ45 10M / 100M ethernet port	General functionalities	Dual stream, user authentication, watermark		
On-board storage Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Interface			
General Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Ф 140 x 99.9 mm (Ф 5.51" x 3.94")	Communication interface	1 RJ45 10M / 100M ethernet port		
Operating conditions -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing) Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB		
Power supply DC12V ± 10%, PoE (802.3af) Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	General			
Power consumption Max. 5.5W Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Operating conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing)		
Impact protection IEC60068-2-75Eh, 50J; EN50102, up to IK10 Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Power supply	DC12V ± 10%, PoE (802.3af)		
Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Power consumption	Max. 5.5W		
Ingress protection level IP66 R range Up to 20m Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10		
Dimensions Φ 140 x 99.9 mm (Φ 5.51" x 3.94")	Ingress protection level	IP66		
The Action Man (Color Action)	IR range	Up to 20m		
Weight 1000g	Dimensions	Φ 140 x 99.9 mm (Φ 5.51" x 3.94")		
	Weight	1000g		

Available models

DS-2CD2732F-I, DS-2CD2732F-IS

* -S (special order): 1-ch audio I/O interface and 1-ch alarm I/O interface.

Accessories







DS-1238ZJ Pendant Mount Aluminium Bracket

DS-1256ZJ Wall Mount Aluminium Bracket with gang box

DS-1280ZJ-DM20 Wire Intake Box



DS-9632NI-ST Embedded NVR



Key Features

- 32 channel IP camera input
- · Third-party network camera supported
- Up to 5 Mega pixel (2560×1920) recording resolution
- · Simultaneous HDMI, VGA and CVBS output
- HDMI and VGA output up to 1920 x 1080P resolution
- · Dual gigabit network interfaces
- eSATA interface for recording or archiving
- Flip open front panel for easy HDD installation
- 16-ch 4CIF synchronous playback
- · JPEG picture capture and playback
- · Tag video clip, search and playback by tag
- · Compatible with free Hikvision DDNS
- Digital zoom on live view and playback

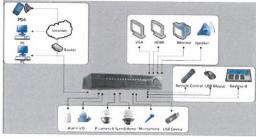
Specifications

	DS-9632NI-ST
Video / Audio input	
IP video input	32-ch
Two-way audio	1-ch, BNC (2.0 Vp-p, 1 kΩ)
Video / Audio output	
Recording resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	1-ch, resolution: 1920 × 1080P / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1024 × 768 / 60Hz
VGA output	1-ch, resolution: 1920 × 1080P / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1024 × 768 / 60Hz
Audio output	2-ch, BNC (Linear, $600~\Omega$)
Playback resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF
Synchronous playback	16-ch 4CIF
Storage	
SATA	8 SATA interfaces
eSATA	1 eSATA interface
Capacity	Up to 4TB capacity for each disk
External interface	
Dual network interface	10M / 100M / 1000M self-adaptive Ethernet interface, dual IP, load balancing, network redundancy
Network bandwidth	Up to 80Mbps input, 160Mbps output, up to 128 network streams
Serial interfaces	1 RS-232, 1 RS-485 for PTZ control, 1 RS-485 for keyboard
USB interface	2 x USB2.0
Alarm in	16
Alarm out	4
General	
Power supply	100~240 VAC, 6.3A, 50~60Hz
Consumption	≤45W
Working temperature	-10°C ~ +55°C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Chassis	19-inch rack mountable 2U chassis
Dimensions (W x D x H)	445 × 470 × 90 mm (17.52" ×18.5"× 3.54")
Weight	≤ 8 kg (17.64 lb) (without hard disk or DVD-R/W)

Rear Panel of DS-9632NI-ST



- 3. Line in
- 4. RS-232 serial interface
- 5. VGA interface
- 6. HDMI interface
- 7.eSATA interface
- 8.LAN1, LAN2 network interface
- 9.RS-485 termination dip switch
- 10.RS-485 serial interface, keyboard interface, alarm in, alarm out
- 11.GND
- 12.100~240 VAC power input
- 13.Power switch

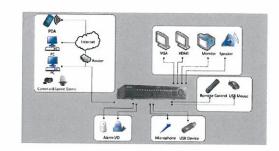




DS-9616NI-ST

High-end Embedded NVR





Key features

- · Third-party network cameras supported
- · Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- · Up to 8 SATA interfaces
- · HDD quota and group management
- · Dual gigabit network interfaces

Rear Panel of DS-9616NI-ST



- 1. Video out
- 2. Audio out
- 3. Line in
- 4. RS-232 serial interface
- 5. VGA interface
- 6. HDMI interface
- 7. eSATA interface
- 8. LAN1, LAN2 network interface
- 9. Termination switch
- 10. RS-485 serial interface, keyboard interface, alarm in, alarm out
- 11. GND
- 12. 100~240 VAC power input
- 13. Power switch

Specifications

Specifications	
	DS-9616NI-ST
Video / Audio input	
IP video input	16-ch
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)
Video / Audio output	
Recording resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	1-ch, resolution: 1920 × 1080P / 60Hz, 1920×1080P / 50Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
VGA output	1-ch, resolution: 1920 × 1080P / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
Audio output	2-ch, BNC (Linear, 600 Ω)
Playback resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous playback	16-ch
Hard disk	
SATA	Up to 8 SATA interfaces
eSATA	1 eSATA interface
Capacity	Up to 4TB capacity for each disk
External interface	
Network interface	2, 10M / 100M / 1000M self-adaptive Ethernet interface
Network bandwidth	Up to 40Mbps input, 40Mbps output, up to 128 network streams
Serial interfaces	RS-232, RS-485, RS-485 keyboard
USB interface	2 x USB2.0
Alarm in	16
Alarm out	4
General	
Power supply	100-240 VAC, 6.3A, 50-60Hz
Consumption	<40W
Working temperature	-10°C ~ +55°C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Chassis	19-inch rack-mounted 2U chassis
Dimensions (W x D x H)	445 × 470 × 90 mm (17.52" ×18.5"× 3.54")
Weight	< 8 kg (17.64 lb) (without hard disk or DVD-R/W)

HIKVISION

iVMS-4200 Client Software Technical Specification v1.02

Introduction

iVMS-4200 Client Software is a centralized video management software using a distributed structure for surveillance device control and management. The devices are connected to the network so that a centralized management is highly required. iVMS-4200 is designed to get access and provide management to the connected multiple devices, including DVR, NVR, DVS, network camera, and decoder. Using the client, you can easily live view the channels, record and store the file, remotely configure the device parameters, control PTZ, get alarm information and respond, and display video on the TV wall. With the help of other servers which are also components of the iVMS-4200, it can provide functions as easing the network load by using a stream media server, and using the storage server to store the record files and pictures. This client software can be adopted in many different surveillance scenarios with medium or small scale.

Components for iVMS-4200 Client Software:



• Client

The core component for the software package manages devices and other components of iVMS4200. It provides the management, playback, preview, TV wall, E-map function and etc. It is necessary for solution.



Storage Server

Recording server, used for record files and pictures storage and backup.

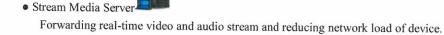


• Encoding Server

Managing encoding card and provide network service, part of PC DVR solution.



Managing encode card and provide network service and decoding function.



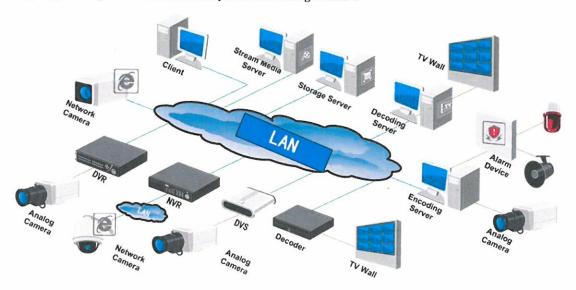
Main Features

- All the published Hikvision devices are connectable, such as network cameras, DVR, DVS, decoder etc.
- Modularity servers provide scalable installation for different software modules;
- High-definition devices are supported.
- Friendly GUI for an easy operation.
- Grouping channels for unified management.
- Multi-level user management;
- Easy operation on alarm and event data;
- Configurable live view screen display and multiple screens live view is provided;
- Playback record and pictures easy search and filter.

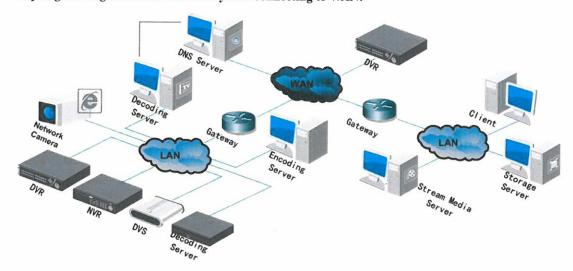
iVMS-4200 in Surveillance System

iVMS4200 Client Software can be applied to medium and small scale surveillance scenario via local area network or wide area network.

Topological diagram of surveillance system connecting to LAN:



Topological diagram of surveillance system connecting to WAN:



System Requirements

Modules	System requirement		
Client	Operating system	Microsoft windows xp/2003/2008/win7	
	Database	SQLite	
	CPU	Intel Pentium IV 3.0 or above	
	Memory	2G or above	
	VGA resolution	1024*768 or above	
	Network	100M or above	
Storage Server	Operating system	Microsoft windows xp/2003/2008/win7	
	Database	SQLite	
	CPU	Intel Pentium IV 2.4 or above	
	Memory	2G or above	
	Network	1000M or above	
	HDD space	500GB or above	
Encoding Server	Operating system	Windows2000/XP/2003/2008/ win7	
	Database	SQLite	
	CPU	Intel Pentium IV 3.0 or above	
	Memory	2G or above	
	Network	100M or above	
Decoding Server	Operating system	Windows2000/XP/2003/2008/ win7	
	Database	SQLite	
	CPU	Intel Pentium IV 3.0 or above	
	Memory	2G or above	
	Network	100M or above	
Stream Media Server	Operating system	Windows2003/2008/XP/win7	
	CPU	Intel Pentium IV 3.0 or above	
	Memory	2G or above	
	Network	1000M or above	
	HDD space	80G or above	

Connection Capacity and Operating Performance of Each Module

Modules	Function	Maximum value
Client	Connectable devices	256
	Camera groups	256
	Connectable channels	1024
	Connectable NVR servers	8
	Users	50
	stream media servers	8
	Live view channels	64
	Multi-screens for main view	4
	Playback channels	16
	Synchronized Playback channels	4
	Connectable decoders (Including PC decoders)	64
	E-maps	256
Storage Server	Recording performance	64*2Mbps
	VoD performance	64*2Mbps
	Users	32
Decoding Server	Encoding channels	64
	Network accessing capacity	128
	Users	32
Decoding Server	Decoding channels	24(2Mbps)
	Matrix output channels	24
	Users	16
	Network access capacity	128
Stream Media Server	Stream (Including incoming and outputting stream)	200

Client Software Function Description

Functions	Description
	Multi-screens for main view and screen can be separated by dragging the
	tab.
	Picture capture and real-time recording in live view mode;
	Digital Zoom;
Live View	Channels can be managed by group;
	Cycling live view;
	Easy configuration of brightness, contrast, saturation and hue parameters;
	Record file and captured pictures are easily managed.
	Instant playback function enables the quick switch of the live view and
	playback;
	Two-way audio;
	Display status of supervisory place;
PTZ Control	Full-functional remote PTZ and lens control;
107701	3D position;
	Preset setting and calling;
	Flexible patrol and pattern settings;
	Graphically recording schedule configuration;
Record	Variety of recording types(event and normal);
	Remote control the recording on the device side;
%	Configurable recording schedule template;
	Distributed PC NVR deployment and management;
	Pre-allocate hard disk for recording;
	Record files searching by channel, time and event;
	Fast forward play and single frame play;
	Resume function for disconnected video channels;
Video	Filter the search result by record types;
Playback	Locate with processing bar exactly;
20	Multi-screen playback simultaneously;
	Capture pictures when playback;
	Download data when playback;
	Clip record file when playback;
	Volume control during playback;
	Smart searching for the event record when playback.
User	Client user of management;
management	Channel-detailed permission control;
1	Three user management levels ;

Functions	Description
Device	Supports DVR/DVS/IPC/IP Dome/Decoder/NVR connection;
management	Adding and deleting device and remote device parameters configuration;
	Search the active on-line devices;
	Device adding by domain name;
Log	Client log query;
management	Remote device log query and backup;
	Backup client logs;
2	Check log files;
	Provide multiple alarm types, including HDD full alarm, HDD error alarm,
Alarm	video loss alarm, video tampering alarm, motion detection alarm, I/O
Aldini	alarm, server status abnormal alarm, etc.;
13	Provide multiple alarm linkage actions, including linkage like decoding on
-	TV wall, email linkage, etc.;
	Automatically arming for all devices;
	Filter according to alarm type;
Video Wall	Multiple output mode;
	Adding decoding streams by dragging mouse;
E-Map	Eagle view operation;
	Parent map and child map function to link the maps;
12	Locate camera position by dragging channel icon.
	Alarm information and event image display on the map.
Others	Multi-screen display;
Julie13	Manual lock screen;
	Display system status(CPU, time)
	Configuration files import/export;
	Display information of channel;

Print

Close



8-Port Gigabit GREENnet PoE+ Switch

TPE-TG81g (Version: v1.xR)

- 8 x Gigabit PoE+ ports (up to 30 watts per PoE+ port)
- · Internal power supply
- Up to 30 W per port with 105 W total power budget
- · Reduces equipment cost by delivering data and power over existing network cables
- 16 Gbps switching capacity
- Sturdy rack mountable metal case
- Up to 75% GREENnet power savings

TRENDnet's 8-Port Gigabit GREENnet PoE+ Switch, model TPE-TG81g, reduces equipment and installation costs by delivering data and power over existing Ethernet cables. This unmanaged switch offers eight Gigabit PoE+ ports which supply up to 30 watts of power per port for devices such as high power wireless access points, PTZ (Pan / Tilt / Zoom) Network Cameras, and VoIP telephony systems.

This rack mountable switch features an internal power supply. Auto sensing technology delivers 30 watts to 802 3at PoF+ devices (up to 3 devices) 15 watts to 802 3af PoF devices and only data to non-PoF http://www.trendnet.com/products/print.asp?lang=/US&prod=185_TPE-TG81g

devices. GREENnet technology reduces energy consumption by up to 75% when the switch is not in use. Boost office efficiency and reduce network congestion with a total switching capacity of 16 Gbps. LED indicators display device status for efficient troubleshooting. This switch comes in a sturdy metal case and quickly adds PoE+, PoE, and non-PoE devices to your network.

Features

- IEEE 802.3at and IEEE 802.3af Power over Ethernet (PoE) compliant
- Supports PoE Class 2 (7 watts), 3 (15.4 watts), and 4 (30 watts)
- 8 x Gigabit Auto-MDIX PoE / PoE+ ports
- Internal power supply
- Up to 75% GREENnet energy savings
- Provides up to 30 watts for PoE+ (3 ports max.)
- Provides up to 15.4 watts for PoE
- Automatically detects the PoE class level of a Powered Device
- 16 Gbps switching fabric
- Forwarding rate: 1000 Mbps / 1,488,000pps; 100 Mbps / 148,800 pps; 10 Mbps / 14,880 pps
- Status LEDs: System Power, PoE, 1000 Mbps, and Link / Activity
- 2K Mac address entries
- 96 Kbyte memory buffer
- Full wire-speed non-blocking reception and transmission
- Store-and-forward switching method
- Back pressure Flow Control for Half-Duplex mode
- IEEE 802.3x Flow Control for Full-Duplex mode
- Power saving technology powers down unused ports and when a connected device is in standby mode
- Jumbo Frame support up to 9 Kbytes
- Plug and Play
- Sturdy rack mountable metal case
- 3-year limited warranty

Specifications

Hardware

Standard

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3at Power over Ethernet (PoE+)
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.3x Flow Control
- IEEE 802.3az Energy Efficient Ethernet

Ports

8 x Gigabit Auto-MDIX PoE / PoE+ RJ-45 ports

Data Transfer Rate

- Ethernet: 10/20 Mbps (Half / Full Duplex)
- Fast Ethernet: 100/200 Mbps (Half / Full Duplex)
- Gigabit: 2000 Mbps (Full Duplex)

Forwarding Rate

Gigabit / 1,488,000 pps, 100 Mbps / 148,800 pps, 10 Mbps / 14,880 pps

Data RAM Buffer

96 Kbytes

Address Table

2 K MAC entries

Switch Fabric

16 Gbps

Power

90-260 V, 50/60 Hz, 1 A

Diagnostic LEDs

Power, PoE, Link / Activity

Power Consumption

Min: 8 Watts (standby)

Max: 122 Watts

 PoE Max: 105 Watts (7 x 15 watts PoE devices connected or 3 x 30 Watts PoE+ devices connected)

Temperature

- Operating: 0° ~ 45°C (32° ~ 113°F)
- Storage: -20° ~ 90°C (-4° ~ 194°F)

Humidity

Max 90% (non-condensing)

Dimensions

• 266 x 160 x 44 mm (10.5 x 6.3 x 1.7 in.)

Weight

• 1.36 kg (3 lbs.)

Certifications

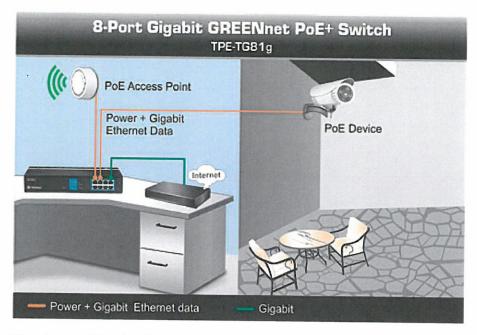
· CE, FCC

PoE

Power over Ethernet

- Up to 15.4 watts for PoE
- Up to 30 watts for PoE+
- PoE: pin 3,6 for power+ and pin 1,2 for power- (mode A)

Networking Solution



Package Contents

- TPE-TG81g
- · Quick Installation Guide
- Power Cord
- · Rack mount brackets

Ordering Information

20675 Manhattan Place Tel: 1-310-961-5500 Torrance, CA 90501

USA

Fax: 1-310-961-5511

Web: www.trendnet.com Email: sales@trendnet.com To Order Please Call

1-888-326-6061

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16-Port Gigabit Web Smart PoE+ Switch

TPE-1620WS (Version: v1.1R)

- 16 x PoE+ Gigabit ports
- · 2 shared SFP slots
- Up to 30 W per port with a 185 W total power budget
- · 32 Gbps switching capacity
- Rack mountable

TRENDnet's 16-Port Gigabit Web Smart PoE+ Switch, model TPE-1620WS, delivers a 32 Gbps switching capacity with 16 PoE+ Gigabit ports and two shared SFP slots. This IPv6 ready switch offers advanced traffic management, troubleshooting, security, energy saving GREENnet, and monitoring features at a reduced cost.

Features

Ease of Use



Hardware Design

Rack mountable housing features 16 Gigabit PoE+ ports (automatically supplies PoE+ (30 Watts) and PoE (15 Watts)) and two shared SFP slots



IPv6 Ready

This switch supports IPv6 configuration and neighbor IPv6 network support



Traffic Management

A broad range of network configurations are support by: 802.3ad link aggregation, Asymmetric VLAN, 802.1Q VLAN, Voice VLAN, GVRP, 802.1p Class of Service (CoS), and QoS queue scheduling



Troubleshooting

Real time traffic comparison charts, error group charts, and a convenient cable diagnostic test aides in rapid troubleshooting



Security

Features such as ACL, SSL, MAC/port filtering, 802.1X, TACACS+, and RADIUS are compatible with layered security controls



Monitoring

RMON, SNMP, SNMP Trap, and Port Mirroring support administrator monitoring solutions



Energy Savings

Up to 70% energy saving GREENnet technology

Specifications

Standards

- IEEE 802.1d
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1s
- IEEE 802.1w
- IEEE 802.1X
- IEEE 802.1ab

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3z
- IEEE 802.3ab
- IEEE 802.3ad
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3az

Device Interface

- 16 x Gigabit PoE+ ports
- 2 x Shared SFP slots
- LED indicators

Data Transfer Rate

- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit Ethernet: 2000 Mbps (full duplex)

Performance

- Switch fabric: 32 Gbps
- · Ram buffer: 8 Mbits
- MAC Address Table: 16K entries
- Jumbo Frames: 10 Kbytes
- HOL Blocking Prevention
- Forwarding rates: 23.8 Mpps

Management

- HTTP/HTTPS (SSL v2/3 TLS) Web based GUI
- SNMP v1, v2c, v3
- RMON v1
- Static Unicast MAC Address

- Enable/disable 802.3az Power Saving
- LLDP
- Virtual Cable Test
- IPv6: IPv6 Neighbor Discovery, IPv6 Static IP, DHCPv6, Auto configuration

MIB

- MIB II RFC 1213
- Bridge MIB RFC 1493
- Bridge MIB Extension RFC 2674
- SNMPv2 MIB RFC 1907
- Ethernet Interface MIB RFC 1643
- Ethernet –like MIB RFC 2863
- Interface Group MIB RFC2233
- MIB Traps Convention RFC 1215
- RMON MIB RFC 1757, RFC 2819
- 802.1p MIB RFC 2674
- RADIUS Client Authentication MIB RFC 2618
- LLDP-MIB IEEE 802.1ab
- Ping MIB RFC 2925, RFC 4560

Spanning Tree

- IEEE 802.1D STP (Spanning Tree protocol)
- IEEE 802.1w RSTP (Rapid Spanning Tree protocol)
- IEEE 802.1s MSTP (Multiple Spanning Tree protocol)

Link Aggregation

- Static Link Aggregation
- 802.3ad Dynamic LACP

Quality of Service (QoS)

- 802.1p Class of Service (CoS)
- DSCP (Differentiated Services Code Point)
- Bandwidth Control per port

Queue Scheduling: Strict Priority, Weighted Round Robin (WRR)

VLAN

- Multiple management VLAN assignment
- Asymmetric VLAN
- 802.1Q Tagged VLAN
- Dynamic GVRP
- Up to 256 VLAN groups, ID Range 1-4094
- Private VLAN (Protected Ports)
- Voice VLAN (10 user defined OUIs)

Multicast

- IGMP Snooping v1, v2, v3 (per VLAN)
- Static Multicast Address
- Up to 256 multicast entries

Port Mirror

- · RX, TX, or Both
- One to one
- · Many to one

Security

- 802.1X Port-Based Network Access Control, RADIUS, TACACS+
- · Local Dial In User Authentication
- DHCP Snooping (per VLAN)
- Loopback Detection
- Duplicated Address Detection
- Denial of Service (DoS)

ACL IPv4 L2-L4 & IPv6

- MAC Address
- VLAN ID
- Ether Type (IPv4 only)
- IP Protocol 0-255

- TCP/UDP Port 1-65535
- 802.1p
- DSCP (IPv4 only)
- IPv6 Address (IPv6 only)

Compatibility

Optional Software Utility: Windows® 8.1 (32/64-bit), 8 (32/64-bit), 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit), Windows® 2003/2008 Server (32/64-bit)

Special Features

- PoE+
- IPv6
- 802.3az power saving
- · Rack mountable

Power

- Input: 100 240 V AC, 50/60 Hz, internal power supply
- Consumption: 198 Watts (Max)
- PoE budget: 185 Watts

Operating Temperature

• 0 - 45 °C (32 - 113 °F)

Operating Humidity

Max 90% non-condensing

Dimensions

- 440 x 251 x 44.45 mm (17.3 x 9.9 x 1.75 in.)
- · Rack mountable 1U height

Weight

3.6 kg (7.9 lbs.)

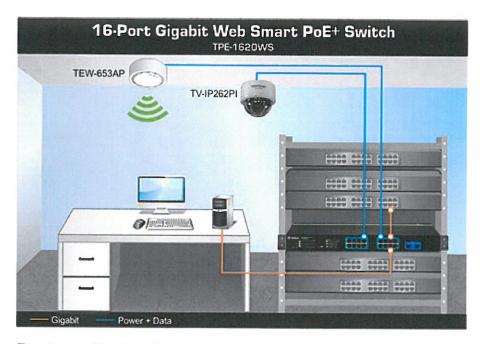
Certifications

- CE
- FCC

Warranty

· 3-year limited

Networking Solution



Package Contents

- TPE-1620WS
- Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Power cord (1.8 m/6 ft.)
- Rack mount kit

Ordering Information

20675 Manhattan Place Tel: 1-310-961-5500 Torrance, CA 90501

USA

Fax: 1-310-961-5511

Web: www.trendnet.com Email: sales@trendnet.com To Order Please Call

1-888-326-6061

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FLUIDMESH PONTE



INTUITIVE POINT-TO-POINT SOLUTION FOR MISSION CRITICAL WIRELESS BACKHAULING

FLUIDMESH PONTE

Fluidmesh's entry-level wireless bridge solution for backhauling mission critical video, voice, and data. The product has been designed to provide a simple out of the box industrial grade solution to create a reliable point-to-point wireless link with minimum installation time and maximum reliability. Using the same quality and reliability of all other Fluidmesh Products, PONTE sets a new standard of reliability and ease of use in the Point-to-Point wireless market.



PRODIGY 2.0 RELIABLE WIRELESS TRANSMISSION FOR MISSION CRITICAL APPLICATIONS

Our MPLS-based transmission protocol is built to overcome the limits of standard 802.11 based wireless protocols and to deliver an infrastructure with a higher level of reliability. At the base of our innovative transmission protocol there is a traffic optimization algorithm that allows every Fluidmesh Radio to assign a specific level of propriety and reliability to every packet transmitted. The result is a better, more reliable, multi service wireless infrastructure.



UP TO 50 MBPS OF USABLE THROUGHPUT EVEN IN HIGH INTERFERENCE AREAS

Thanks to a 2x2 MIMO radio chip, PONTE is capable of delivering up to 50 Mbps of usable throughput even in high interference areas with up to 2 miles in LOS. This simply makes it the most reliable point-to-point solution in the market.



WEB INTERFACE CONFIGURES, MONITORS AND TROUBLESHOOTS THE WIRELESS LINK

PONTE includes FMQuadro Web Interface, which allows you to configure, monitor, and troubleshoot the wireless link in real time without any additional software. To simplify the configuration of the wireless network, the radio has a built-in spectrum analyzer and a real-time bandwidth-monitoring tool



EASY INSTALLATION

IP66 Rated, PONTE is designed for low visual impact and easy installation in harsh environments. To facilitate installation, PONTE has a two-cord watertight cable gland with a standard NPT-1 thread. This allows you to run pre-made CAT5/6 shielded cables or conduit directly to the radio. The highly visible LEDs tell you LAN activity and signal strength and the low-power POE injector guarantees an easy setup.



INDUSTRIAL GRADE and LOW POWER CONSUMPTION

With an operating temperature range of -40C to +80C and wind survivability of 120 Mph, PONTE is designed to operate in the toughest outdoor conditions. In addition, a super low power consumption of 8W makes it extremely friendly to low voltage power sources such as solar panels, wind turbines, and portable batteries.



FLUIDMESH CUSTOMER SUPPORT AND 2-YEAR WARRANTY

Like all other Fluidmesh Products, PONTE comes with live customer support and a world-class 2-year warranty. This means there is a human being you can call in case things don't work as planned or if you simply have a question you need an answer for. Making sure our customers receive top tier support from qualified engineers is one of our top priorities.



SUPPORTED ARCHITECTURES



QUICK PEEK

POWERFUL WIRELESS BACKHAULING

PRODIGY 2.0

MPLS transmission protocol with intelligent QoS

FMQUADRO

Web-based interface to easily configure, monitor, and troubleshoot the network

MULTI FREQUENCY

4.9 GHz and 5.1-5.8 GHz

DUAL ETHERNET PORTS

Support PoE and multiple IP devices

LOW LATENCY AND HIGHER RELIABILITY

Compared to 802.11 Wi-fi radios



FM PONTE

FLUIDMESH PONTE

POWERFUL WIRELESS BACKHAULING FOR POINT TO POINT NETWORKING

RADIO	
Range	Up to 3 miles
Frequency Bands	4.9-5.9GHz
Throughput*	Up to 50 Mbps
Modulation	Up to 300Mbps
Transmission Power	Up to 27 dBm, depending on configuration and regulations
Receiving Sensitivity	-96dB@6.5 Mbps; -75dB@300Mbps;
Antenna Type	Built in 2x2 MIMO Panel
Antenna Gain	16.1 - 17.1 DBi
Polarization	Dual Linear
Cross-pol Isolation	22dB minimum
Max VSWR	2.0:1
Horizontal Beamwidth Coverage	33 deg
Vertical Beamwidth Covarage	17 deg

COMMUNICATION PROTOCOLS

Prodigy 2.0	Fluidmesh Intelligent Transmission Protocol			
ENVIRONMENTAL				
Power Consumption	Max 8W			
Operating Temperature	-40C to 80C -40F to 176F			
Humidity	95% non condensing			
Weather Rating	IP66			
Wind Survivability	120 Mph 193 Km/h			
Shock & Vibration	ETSI 300 - 019 - 1.4			
Wind Loading @ 125Mph/200kmh	<25lb/11kg			
SUPPLIED ACCESSORIES				
POE injector 24VDC with US/EU/UK cord	Yes			

OPTIONAL SOFTWARE PLUGINS

In optimal environmental conditions

Staging Kit

OF HORAL SOFT WARE PLUGINS		
AES - 128 bit Link Level Encryption Plugin	Yes	
AES - 256 bit Link Level Encryption Plugin	Yes	

Yes

ELECTRICAL Power Input

Power Consumption

2x Included, 90 to 260V, 50/60 Hz AC Input			
2 Internal RJ45 Ports. Shielder CAT5/6 cables and connector are recommended.			
NPT-1 threaded cable gland			
2 x 13(h)x6.1(w)x3.1(d)			
2 x 330.5(h)x156.6(w)x79.9(d)			

2x Passive PoE from 12V DC

2 x 18.34oz / 0.519Kg

to 24V DC

Max 8W

NETWORK

Weight

Protocols	UDP, TCP, IP, RTP, RTCP, RTSP, HTTP, HTTPS, ICMP, ARP				
Web Based INTERFACE	Yes				
Multicast Support	Yes				
UPnP	Yes				
SNMP	Yes				
802.1Q VLAN	Yes				

SECURITY

VPN	Yes	
AES - 128 bit Link Level Encryption	Yes	
AES - 256 bit Link Level Encryption	Yes	300000000000000000000000000000000000000
Full compatibility with AES, 3DES, RSA, HTTPS, SSL	Yes	

APPROVALS

FCC CFR 47 Part 15, class B	Yes	
Industry Canada RSS 210	Yes	
CE	Yes	

WARRANTY

2 years	Limited on parts and labor
2 years	Littliced off parts and labor

SUPPORTED ARCHITECTURES



POINT TO POINT

Fluidmesh Networks products are installed locally by professional System Integrators and are available worldwide through a network of Authorized Dealers. For additional information please call +1.617.209 6080 or visit us at fluidmesh.com



HEADQUARTERS.

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FLUIDMESH.COM





Print Summary



OptiPlex 7020 Mini Tower

My Selections

All Options

OptiPlex 7020 Mini Tower				
Date Catalog Number	4/7/2015 9:15:48 AM Central Standard Time 4 Retail 04			
Catalog Number / Description	Product Code	Qty	SKU	ld
Processor: Intel® Core™ i7-4790 Processor (Quad Core, 8MB, 3.60GHz wHD4600 Graphics)	174790	1	[338-BEUD]	146
Operating System(s): Windows 7 Professional English/French 64bit (Includes Windows 8.1 Pro license)	DVV17P6M	1	[536-BBBJ]	11
Microsoft Application Software: No Office License Included	13TMUI	1	[630-AABP]	1002
Memory: 8GB (2x4G) 1600MHz DDR3 Memory	8G2D	1	[370-AADC]	3
Hard Drive: 500GB 3.5inch SATA (7.200 RPM) Hard Drive	500SG7	1	[400-AANO]	8
Additional Hard Drive: No Additional Hard Drive	NOHDDA	1	[400-AATB]	637
Dell Data Protection Encryption Security SW: No DDPE Encryption Software	NODDPE	1	[954-3465]	156
Protect your newPC: No Anti-Virus Software	NOAV	1	[650-AAAL]	1014
Raid configuration over 2 TB: NO RAID	NORAID	1	[817-BBBN]	387
CD ROM/DVD ROM 16X DVD+/-RW Drive	16RWHH	1	[429-AAOW]	16
Optical Software PowerDVD Software not included	NOPDVD	1	[632-BBBJ]	597
Operating System Recovery Options: Windows 8.1 English OS Recovery - DVD	M81D6E	1	[620-AASU]	200013

Marsha and				
Keyboard : US English (QWERTY) Dell KB212-B QuietKey USB Keyboard Black	8KUS	1	[580-AAQX]	4
Mouse: Dell MS111 USB Optical Mouse	USBMSE	1	[570-AACR]	12
Wireless: No Wireless	NOWRLS	1	[555-BBFO]	19
Dell Backup & Recovery : Dell Backup and Recovery Basic	DBRBSIC	1	[637-AAAS]	200076
Systems Management: Intel® Standard Manageability	72MEST	1	[631-AAJJ]	49
External Speakers: No External Speaker	NOESPK	1	[817-BBBC]	200095
Low Power Mode: No Bios Required	NOBIOS	1	[696-BBBC]	38
E-Star: No Estar	NOESMRT	1	[387-BBCG]	122
vedio card: AMD Radeon™ R5 240, 1GB, Full Height (DP and DVI-I)	FOUG11	1	[490-BBXS]	6
Serial Port/PS2 Adapter: No Add On Cards	NOADDIN	1	[382-BBBZ]	698
Chassis Options: OptiPlex 7020 Mini Tower for Standard Power Supply	MTSTD	1	[329-BCHJ]	116
Power Cord: System Power Cord (English)	US125V	1	[450-AAOJ]	20
Packaging: Shipping Material for System, Minitower	SHPDAO	1	[340-ABVE]	465
DVI to VGA Adapter : Video Cable, DisplayPort-to-HDMI	DISHDMI	1	[492-BBFQ]	592
Transportation from ODM to region: BTS/BTP Shipment	BTS	1	[800-BBIP]	200080
OptiPlex 7020 MT: OptiPlex 7020 Mini Tower	7020TX	1	[210-ACRY]	1
UPC Label: Print on Demand Label	POD	1	[389-BDQH]	292
Chassis intrusion switch: Chassis Intrusion Switch	NTRSN	1	[461-AAAZ]	289
FGA Module: A7M_1W_023/US/BTS	FG0019	1	[998-BLSU]	572
Thermal Cooling: Heatsink, Performance, Minitower	ТНМТ9	1	[412-AAAV]	412
Speakers: Internal Speaker	SPKR	1	[520-AABT]	18
TPM Securty: TPM	TPM	1	[329-BBJL]	297
Diagnostic CD / Diskette: No Diagnostic/Recovery CD media	NORDVD	1	[340-ABJI]	50
Processor Branding: Intel® Core™ I7 Label	ICI7SML	1	[389-BBWR]	749
Label: Regulatory Label	REGMEX	1	[389-BEVD]	676
Placemat: No Quick Reference Guide	NOTSH	1	[340-ABKW]	60

Driver: No Wireless	NOWRLS	1	[555-BBFO]	7
Canada Ship Options: US No Canada Ship Charge	USNONE	1	[332-1286]	111
Non-Microsoft Application Software: Windows 7 Downgrade	DWIN7	1	[422-0008][640- BBDF][640- BBEV][654- BBLW][658- BBMQ][658- BBMR][658- BBNH][658- BBVM]	1003
Hard Drive Software: NO INTEL RESPONSIVE	NOINTR	1	[551-BBBJ]	707
CompuTrace Offerings + Stoptrack Label: No Computrace	NCTRACE	1	[461-AABF]	697
Hardware Support Services: 3 Year Hardware Service with Onsite/In-Home Service After Remote Diagnosis	NBD3	1	[997-8533][997- 8535]	29
Documentation/Disks: Safety/Environment and Regulatory Guide (English/French Multi-language)	EFDOC	1	[340-AGIK]	21
			Q.	<u>Print</u>

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