

09/19/17 11:24:14
WV Purchasing Division

ADVANCED ALARM TECHNOLOGIES

BID FOR CCTV SYSTEM FOR WV VNF

Exhibit A - FOR SECURITY CAMERA

Revision Date: 09072017

Item #	Specs	Description	Unit of Measure	Unit Cost	Quantity	Extended Cost
1	13.1.1	Dome Camera Indigo Vision or Equal/Internal (to include installation hardware, fiber cable, mounts)	each	\$550.00	29	\$15,950.00
2	13.1.1	Dome Camera Indigo Vision or Equal/External (to include installation hardware, fiber cable, mounts)	each	\$550.00	6	\$3,300.00
3	13.1.2	Dome Camera Indigo Vision or Equal/Internal (to include installation hardware, fiber cable, mounts)	each	\$1,250.00	18	\$22,500.00
4	13.1.2	Dome Camera Indigo Vision or Equal/External (to include installation hardware, fiber cable, mounts)	each	\$1,250.00	2	\$2,500.00
5	13.1.3	Dome Camera Indigo Vision or Equal/External (to include installation hardware, fiber cable, mounts)	each	\$1,275.00	12	\$15,300.00
6	13.1.4	360 degree Fish Eye Cameras/Internal (to include installation hardware, fiber cable, mounts)	each	\$600.00	3	\$1,800.00
7	13.1.4	360 degree Fish eye Cameras/External (to include installation hardware, fiber cable, mounts)	each	\$600.00	4	\$2,400.00
8	13.1.5	Dome Camera Indigo Vision or Equal/External (to include installation hardware, fiber cable, mounts)	each	\$975.00	8	\$7,800.00
9	13.1.6	PTZ Dome Camera Indigo Vision or Equal/Ext (to include installation hardware, fiber cable, mounts)	each	\$3,750.00	1	\$3,750.00
10	13.1.7	Network Video Recorders	each	\$22,850.00	2	\$45,700.00
11	13.1.9	Video Management System	each	\$12,750.00	1	\$12,750.00
				SUB TOTAL		\$133,750.00
12	ALL Hardware and Components required for Installation (Including Network, Workstations, CCTV Keyboards, etc)					\$43,600.00
13	ALL Labor Costs					\$72,650.00
GRAND TOTAL OF BID					\$250,000.00	
Company: Advanced Alarm Technologies						
Salesperson: Robert Hill						
Address: PO Box 4368 Parkersburg, WV 26104						
Phone: (304)422-4387						
Email: advancedalarm@suddenlink.net						

ADDITIONAL TERMS AND CONDITIONS (Construction Contracts Only)

1. CONTRACTOR'S LICENSE: West Virginia Code § 21-11-2 requires that all persons desiring to perform contracting work in this state be licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Applications for a contractor's license may be made by contacting the West Virginia Division of Labor. West Virginia Code § 21-11-11 requires any prospective Vendor to include the contractor's license number on its bid. If an apparent low bidder fails to submit a license number in accordance with this section, the Purchasing Division will promptly request by telephone and electronic mail that the low bidder and the second low bidder provide the license number within one business day of the request. Failure of the bidder to provide the license number within one business day of receiving the request shall result in disqualification of the bid. Vendors should include a contractor's license number in the space provided below.

Contractor's Name: Advanced Alarm Technologies
Contractor's License No.: WV- 025246

The apparent successful Vendor must furnish a copy of its contractor's license prior to the issuance of a contract award document.

2. DRUG-FREE WORKPLACE AFFIDAVIT: W. Va. Code § 21-1D-5 provides that any solicitation for a public improvement contract requires each Vendor that submits a bid for the work to submit an affidavit that the Vendor has a written plan for a drug-free workplace policy. If the affidavit is not submitted with the bid submission, the Purchasing Division shall promptly request by telephone and electronic mail that the low bidder and second low bidder provide the affidavit within one business day of the request. Failure to submit the affidavit within one business day of receiving the request shall result in disqualification of the bid. To comply with this law, Vendor should complete the enclosed drug-free workplace affidavit and submit the same with its bid. Failure to submit the signed and notarized drugfree workplace affidavit or a similar affidavit that fully complies with the requirements of the applicable code, within one business day of being requested to do so shall result in disqualification of Vendor's bid. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

2.1. DRUG-FREE WORKPLACE POLICY: Pursuant to W. Va. Code § 21-1D-4, Vendor and its subcontractors must implement and maintain a written drug-free workplace policy that complies with said article. The awarding public authority shall cancel this contract if: (1) Vendor fails to implement and maintain a written drug-free workplace policy described in the preceding paragraph, (2) Vendor fails to provide information regarding implementation of its drug-free workplace policy at the request of the public authority; or (3) Vendor provides to the public authority false information regarding the contractor's drug-free workplace policy.

Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

CONTRACTOR LICENSE

Authorized by the
West Virginia Contractor Licensing Board

Number: WV025246

Classification:
LOW VOLTAGE SYSTEMS

ADVANCED ALARM TECHNOLOGIES INC
DBA ADVANCED ALARM TECHNOLOGIES INC
PO BOX 4368
PARKERSBURG, WV 26104-4368

Date Issued

Expiration Date

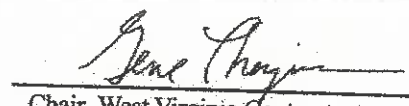
MARCH 12, 2017

MARCH 12, 2018



WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD


Authorized Company Signature


Chair, West Virginia Contractor
Licensing Board

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Robert Hill, President
(Name, Title)

(Printed Name and Title)

PO Box 4368 Parkersburg WV 26104
(Address)

(Phone Number) / (Fax Number)

(304) 422-4387 (Also FAX)

(email address) advancedalarm@suddenlink.net

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Advanced Alarm Technologies
(Company)

Rob Hill, President
(Authorized Signature) (Representative Name, Title)

Robert Hill, President
(Printed Name and Title of Authorized Representative)

9/18/17
(Date)

(304) 422-4387 (Also FAX)
(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ VNF1800000003

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Advanced Alarm Technologies
Company

[Signature]
Authorized Signature

9/18/17
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

**REQUEST FOR QUOTATION
CRFQ VNF1800000003
Closed Circuit Television System**

11. FACILITIES ACCESS: Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and/or keys are required:

11.1 Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.

11.2 Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.

11.3 Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.

11.4 Anyone performing under this Contract will be subject to Agency's security protocol and procedures.

11.5 Vendor shall inform all staff of Agency's security protocol and procedures.

12. MISCELLANEOUS:

12.1 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Robert Hill

Telephone Number: (304) 422-4387

Fax Number: Same

Email Address: advancedalarm@suddenlink.net

State of West Virginia
Purchasing Division

CERTIFIED DRUG-FREE WORKPLACE REPORT COVERSHEET

In accordance with *West Virginia Code* § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. That report must include each of the items identified below in the Required Report Content section.

Instructions: Vendor should complete this coversheet, attach it to the required report, and submit it to the appropriate location as follows: For contracts more than \$25,000, the report should be mailed to the West Virginia Purchasing Division at 2019 Washington Street East, Charleston, WV 25305. For contracts of \$25,000 or less, the vendor should mail the report to the public authority issuing the contract.

Contract Identification:

Contract Number: VNF1800000003

Contract Purpose: Closed Circuit Television System

Agency Requesting Work: LV VNF

Required Report Content: The attached report must include each of the items listed below. The vendor should check each box as an indication that the required information has been included in the attached report.

- Information indicating the education and training service to the requirements of *West Virginia Code* § 21-1D-5 was provided;
- Name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- Average number of employees in connection with the construction on the public improvement;
- Drug test results for the following categories including the number of positive tests and the number of negative tests: (A) Pre-employment and new hires; (B) Reasonable suspicion; (C) Post-accident; and (D) Random.

Vendor Contact Information:

Vendor Name: Advanced Alarm Technologies

Vendor Telephone: (304) 412-4387

Vendor Address: PO Box 4368

Vendor Fax: Same

Parkersburg, WV 26104

Vendor E-Mail: _____

advancedalarm@suddenlink.net



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF WEST VIRGINIA,

COUNTY OF Wood, TO-WIT:

I, Robert Hill, after being first duly sworn, depose and state as follows:

1. I am an employee of Advanced Alarm Technologies; and,
(Company Name)
2. I do hereby attest that Advanced Alarm Technologies
(Company Name)

maintains a written plan for a drug-free workplace policy and that such plan and policy are in compliance with **West Virginia Code §21-1D**.

The above statements are sworn to under the penalty of perjury.

Printed Name: Robert Hill

Signature: [Handwritten Signature]

Title: President

Company Name: Advanced Alarm Technologies

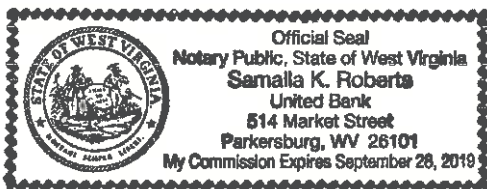
Date: 9/18/17

Taken, subscribed and sworn to before me this 18th day of September, 2017.

By Commission expires September 28, 2019

(Seal)

[Handwritten Signature]
(Notary Public)



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Robert Hill, Advanced Alarm Technologies

Authorized Signature: [Signature] Date: 9/18/17

State of West Virginia

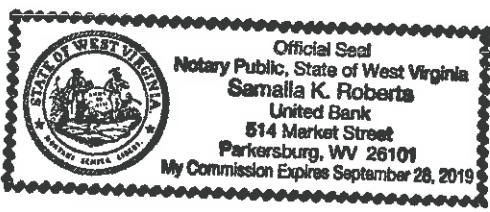
County of Wood to-wit:

Taken, subscribed, and sworn to before me this 18th day of September, 2017

My Commission expires September 28, 2019

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]
Purchasing Affidavit (Revised 07/01/2012)



West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

Contracting business entity: Advanced Alarm Technologies

Address: PO Box 4368 Parkersburg WV 26104

Contracting business entity's authorized agent: Robert Hill

Address: PO Box 4368 Parkersburg WV 26104

Number or title of contract: VNF180000003

Type or description of contract: Closed Circuit Television System

Governmental agency awarding contract: WV VNF

Names of each Interested Party to the contract known or reasonably anticipated by the contracting business entity (attach additional pages if necessary):

Robert Hill, President Advanced Alarm Technologies

Signature: Robert Hill Date Signed: 9/18/17

Check here if this is a Supplemental Disclosure.

Verification

State of WV, County of Wood:

I, Robert Hill, President, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledges that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 18th day of September, 1917.

Samella K Roberts
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



ERIE INSURANCE
PROPERTY & CASUALTY COMPANY
BID BOND

Know All Men by These Presents,

Bond No. Q405950013

That we, ADVANCED ALARM TECHNOLOGIES, INC.
(hereinafter called the Principal) as Principal, and the ERIE INSURANCE PROPERTY & CASUALTY COMPANY, of
Erie, Pennsylvania, a corporation duly organized under the laws of the State of Pennsylvania, (hereinafter
called the Surety), as Surety, are held and firmly bound unto WV VETERANS NURSING FACILITY

..... hereinafter called the Obligee in the full and just sum of TWELVE THOUSAND FIVE-
HUNDRED Dollars, (\$12,500.00),
good and lawful money of the United States of America, to the payments of which sum of money well
and truly to be made, the said Principal and Surety bind themselves, their and each of their heirs, executors,
administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed, sealed and dated this 18TH day of SEPTEMBER A.D. 20. 17.

THE CONDITION OF THIS OBLIGATION IS SUCH: That, if the Obligee shall make any award within 30
days to the Principal for CLOSED CIRCUIT TELEVISION SYSTEM

.....
.....
..... according to the terms of the proposal or bid made by the Principal therefor, and the Principal shall
duly make and enter into a contract with the Obligee in accordance with the terms of said proposal
or bid and award and shall give bond for the faithful performance thereof with the Surety or Sureties
approved by the Obligee; or if the Principal shall, in case of failure so to do, pay the Obligee the damages
which the Obligee may suffer by reason of such failure, not exceeding the penalty of this bond, then
this obligation shall be null and void; otherwise it shall be and remain in full force and effect.

In Testimony Whereof, the Principal and Surety have caused these presents to be duly signed and sealed.

Principal ADVANCED ALARM TECHNOLOGIES

Witness: Tessa Davis
TESSA DAVIS

By: Robert Hill
ROBERT HILL

Witness: Karla Reeves
KARLA REEVES

ERIE INSURANCE
PROPERTY & CASUALTY COMPANY
By: Kathy Marcum
KATHY MARCUM Attorney-in-Fact



**ERIE INSURANCE
PROPERTY & CASUALTY COMPANY
ERIE, PA 16530
LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That ERIE INSURANCE PROPERTY & CASUALTY COMPANY, a corporation duly organized under the laws of the Commonwealth of Pennsylvania, does hereby make, constitute and appoint

Steven P. Thompson, Randall E. Kerns, Michael W. Mason, Lisa McGuire, Dorinda Talerico, Khristine D. Mills,
Sharon D. Boyles, Mark Sturm and Kathy Marcum

individually, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed: any and all bonds and undertakings of suretyship, each in a penalty not to exceed the sum of Five Hundred

Thousand Dollars (\$500,000.00)

And to bind ERIE INSURANCE PROPERTY & CASUALTY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by the appropriate officer of ERIE INSURANCE PROPERTY & CASUALTY COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

The Power of Attorney is granted under and by authority of the following Resolution adopted by the Board of Directors of ERIE INSURANCE PROPERTY & CASUALTY COMPANY on the 11th day of March, 2008, and said Resolution has not been amended or repealed:

“RESOLVED, that the President, or any Senior Vice President or Vice President shall have power and authority to: (a) Appoint Attorney(s)-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and, (b) Remove any such Attorney-in-Fact at any time and revoke the power and authority given to him; and

RESOLVED, that Attorney(s)-in-Fact shall have power and authority, subject to the terms and limitations of the Power of Attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.”

This Limited Power of Attorney is signed and sealed by facsimiles under and by virtue of the following Resolution adopted by the Board of Directors of ERIE INSURANCE PROPERTY & CASUALTY COMPANY on the 18th day of September, 2008, at which a quorum was present and said Resolution has not been amended or repealed:

“RESOLVED, that the signature of Terrence W. Cavanaugh, as President and Chief Executive Officer of the Company, and the Seal of the Company may be affixed by the following facsimiles on any Limited Power of Attorney for the execution of bonds, undertakings, recognizances, contracts and other writings in the nature thereof, and the signature of James J. Tanous, as Secretary of the Company, the Seal of the Company, the signature of Sheila M. Hirsch, as Notary Public, and her Notarial Seal, may also be affixed by the following facsimiles to any certificate or acknowledgment of any such Limited Power of Attorney, and only under such circumstances shall said facsimiles be valid and binding on the Company.”

IN WITNESS WHEREOF, ERIE INSURANCE PROPERTY & CASUALTY COMPANY has caused these presents to be signed by its President and Chief Executive Officer, and its corporate seal to be hereto affixed this 3rd day of February, 2011.



Terrence W. Cavanaugh
Terrence W. Cavanaugh
President and Chief Executive Officer

STATE OF PENNSYLVANIA } ss.
COUNTY OF ERIE

On this 3rd day of February, 2011, before me personally came Terrence W. Cavanaugh, to me known, who being by me duly sworn, did depose and say: that he is President and Chief Executive Officer of ERIE INSURANCE PROPERTY & CASUALTY COMPANY, the corporation described in and which executed the above instrument; that he knows the Seal of said corporation; that the Seal affixed to the said instrument is such corporate Seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.



Sheila M. Hirsch
My commission expires June 27, 2016
Notary Public

CERTIFICATE

I, James J. Tanous, Secretary of ERIE INSURANCE PROPERTY & CASUALTY COMPANY, do hereby certify that the original LIMITED POWER OF ATTORNEY, of which the foregoing is a full, true and correct copy, is still in full force and effect as of the date below.

In witness whereof, I have hereunto subscribed my name and affixed corporate Seal of the Company by facsimiles pursuant to the action of the Board of Directors of the Company,



James J. Tanous
James J. Tanous, Secretary

this 18th day of Sept. 20 11



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/18/2017

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.

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).

PRODUCER United Security Agency USA IV, Inc 2420 Garfield Ave Parkersburg WV 26101		CONTACT NAME: KATHY MARCUM PHONE (A/C, No., Ext): 304-865-8537 FAX (A/C, No.): 304-295-9232 E-MAIL ADDRESS: KMARCUM@UNITEDSECURITYAGENCY.COM	
INSURED Advanced Alarm Technologies Inc Robert H Hill P O Box 4368 Parkersburg WV 26104-4368		INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Erie Insurance 26830 INSURER B: Berkley Risk Administrators Co INSURER C: CSU PRODUCER RESOURCES INC 13037 INSURER D: INSURER E: INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 2059691519 **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.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR VVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y		Q40-5950013	4/9/2017	4/9/2018	EACH OCCURRENCE	\$1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,000,000
							MED EXP (Any one person)	\$5,000
							PERSONAL & ADV INJURY	\$1,000,000
							GENERAL AGGREGATE	\$2,000,000
							PRODUCTS - COMP/OP AGG	\$
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			Q02-5130086	2/1/2017	2/1/2018	COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$250,000
							BODILY INJURY (Per accident)	\$500,000
							PROPERTY DAMAGE (Per accident)	\$100,000
								\$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC-47-47-003253-02	1/10/2017	1/10/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$1,000,000
							E.L. DISEASE - POLICY LIMIT	\$1,000,000
C	General Liability	Y		CSU0010133	4/9/2017	4/9/2018	Products Completed	2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

ROBERT HILL IS EXCLUDED FROM WORKERS COMPENSATION.

CERTIFICATE HOLDER

CANCELLATION

WV VETERANS NURSING FACILITY
1 FREEDOMS WAY
CLARKSBURG WV 26301

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

exacq

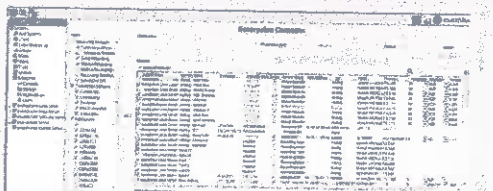
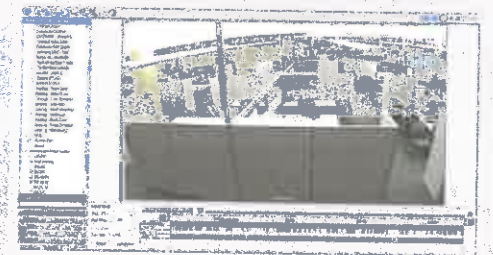
From Tyco Security Products

exacqVision Enterprise

Large-Scale, Intuitive VMS Software

exacqVision

enterprise



EasyConnect



• Large-Scale, Intuitive Video Management System (VMS) Features

- Effectively monitor video, audio and data in real time
 - Two-way audio
 - Interactive and multi-level mapping
 - Data integration from retail and access control systems
 - Notification overlays
- Conduct investigations on recorded video, audio and data
- VideoPush video wall sends video to another exacqVision user or public view monitor
- Constantly expand functionality with included regular software updates

• Multi-Server Administration

- Single-screen administration across multiple systems:
 - Cameras: Globally configure and monitor camera settings across the enterprise
 - Storage: Monitor storage health, configure S-Series storage connections
 - Users: Simultaneous administration of all users on multiple servers
 - LDAP/Active Directory integration: standardized network administration
 - E-mail and Text Notifications: Quickly configure notification rules on all servers

• Enterprise System Manager

- Option to add Enterprise System Manager, a centralized health monitoring and software updating system available on a PC or mobile device

• Multi-Level Mapping

- Create hierarchical nesting of maps for faster camera and device navigation

• Ease of Use & Flexibility

- Requires little to no training
- Software installs in minutes
- EasyConnect automatically finds, assigns and addresses compatible IP cameras
- Easily add IP licenses at any time
- Per camera server licensing with no base server fee

• View Video Anywhere with Free Client Software

- Access live and recorded video on Windows, Linux or Mac PCs
- Use the free web service application with any modern browser
- Download the free exacq Mobile app available for iOS, Android, Windows Phone 8

• Highly Scalable

- Single client connects to thousands of servers
- Allows you to connect up to 64 analog and 128 IP cameras on exacqVision hybrid servers
- Offers high video throughput with minimal CPU and RAM requirements necessary

• Build a Best-of-Breed Physical Security System

- Integrates with:
 - Over 2,000 IP cameras and encoders from over 60 manufacturers
 - 20 access control systems
 - Video analytics solutions for LPR, heat mapping and intrusion detection
 - Retail/point-of-sale analytics

• Constantly Expanding Functionality with Included Software Updates

- Get more video management features without replacing your entire VMS
- Includes 1 year free software updates (three years on exacqVision NVRs)

CLIENT WORKSTATION MINIMUM HARDWARE REQUIREMENTS		TYPICALLY FOR VIEWING 1-4 ANALOG CAMERAS
Processor		Intel® Celeron® G540 or higher
RAM		1 GB
Hard Drive		40 GB
Video		Intel HD (on-CPU GPU)
Operating Systems		Microsoft® Windows XP, server 2003 (minimum), Ubuntu 8.04 or higher
VMS SERVER HARDWARE MINIMUM REQUIREMENTS		TYPICALLY LESS THAN 30 MBPS CAMERA TRAFFIC, 1-2 SIMULTANEOUS REMOVE CLIENTS
Processor		Intel® Atom D525 1.8GHz or higher
RAM		2 GB
Hard Drive		60 GB (OS) + 250 GB (video) > 15 MBps non-sequential write
Operating System		Microsoft® Windows 7 Pro, Microsoft® Server 2003, Ubuntu 8.04 or higher
NIC		1 Gbps
WEB BROWSER ACCESS		
Compatibility		Internet Explorer, Firefox, Safari, Opera, Chrome
MOBILE DEVICE ACCESS		
Compatibility		iOS, Android, Windows Phone 8

exacqVision Enterprise VMS Software
is available on exacqVision servers:

exacqVision **Z-Series**



exacqVision **A-Series**



exacqVision **ELP**



Related Products



exacqVision Hybrid &
IP Camera Servers



exacqVision Enterprise
System Manager (ESM)



exacqVision Virtual

www.exacq.com

exacqVision Z-Series IP Camera Recorders

Highest performance, reliability and capacity recorders



2U Z-Series IP Camera Recorder



3U Z-Series IP Camera Recorder



4U Z-Series IP Camera Recorder



Included VMS Client (Windows/Linux/Mac)



Free Exacq Mobile App works
with included WebService

• High Performance

- Continuously records up to 1,200 Mbps of video for high concentration of HD cameras
- Supports many simultaneous video to web/mobile clients with 1,800 FPS video
- Simultaneously connect up to 500 remote clients
- Optional dual 10Gbps network interfaces for fast archiving or mass client performance

• High Reliability

- Continuously record during single power source failure with dual power supplies
- Enterprise-class, continuous-duty hard drives
- Uninterrupted operation and video preservation in event of one or two drive failures
- Hot spare drive options for automatic replacement of failed drive
- Solid-state drive for Linux or Windows operating system
- Monitors hardware health in exacqVision client and with email/text notifications

• High Capacity

- Up to 128 IP cameras (8 licenses included) per recorder
- Compatible with thousands of IP camera models
- Store up to 80TB with front-accessible storage
- Expandable to over 1.6PB with exacqVision S-Series networked storage
- Compatible with all exacqVision recorders and software for maximum scalability

• Powerful VMS Software

- Pre-configured with exacqVision Professional software (standard)
 - EasyConnect - automatically finds, addresses and connects IP cameras
 - Powerful integration with retail, financial and access control systems
 - Timeline and thumbnail search investigations for recorded video, audio and data
 - Bookmark important video for long-term retention
 - Video multi-streaming to optimize storage utilization and network traffic
- View video anywhere (standard)
 - Unlimited Windows/Linux/Mac PC clients
 - Live and recorded video from browsers, tablets and smartphones
- Upgrade to exacqVision Enterprise software (optional)
 - VideoPush to remotely control video wall clients
 - Case management to organize critical evidence
 - Active Directory/LDAP for IT administration of users
 - Easy, single-screen administration of cameras, users, storage and notifications

- Enterprise System Manager (optional)
 - Maximize uptime with health monitoring

• Host Certified Software Applications (CSA)

- Install CSAs such as video analytics, access control and POS software on the recorder
- Tested by Exacq to ensure compatibility
- Save money and rack space with single security server

• 3-Year Warranty

- Includes a 3-year hardware warranty and technical support from one source
- Constantly increasing VMS functionality with 3 years of unlimited software updates



SETTINGS	2U SERVER	3U SERVER	4U SERVER
Maximum IP Cameras	128	128	128
Included IP Licenses	8	8	8
Alarm Inputs	4	8	8
Alarm Outputs	1 TTL & 1 Relay	3 TTL & 1 Relay	3 TTL & 1 Relay
SERVER			
Maximum Storage	8	16	20
Maximum Hard Drives	32 TB RAID 5	64 TB RAID 6	80 TB RAID 6
Typical Video Storage Rate (Mbps)	400 Mbps (Windows) 800 Mbps (Linux)	600 Mbps (Windows) 1000 Mbps (Linux)	800 Mbps (Windows) 1200 Mbps (Linux)
Pre-Loaded VMS Software	Professional (standard), Enterprise (optional)		
Local Client Display Rate (FPS)	1800 Mbps (Windows) 1200 Mbps (Linux)		
Monitor Output	1 DVI-I + 1 HDMI + 1 DisplayPort, max 2 simultaneous monitors		
Operating System	Windows 7 64-bit, Windows 2012 (Optional) Ubuntu Linux 12.04		
CPU	Gen 4 Intel Core i7 Gen 4 Intel Xeon E3 (Optional)		
RAM	8 GB, 16 GB (optional)		
NIC	2 x 1 Gbps, 2x10 Gbps SPF+ (Optional)		
USB	8 (2 front, 6 rear)		
DVD	Included		
Serial	1 RS485		
Audio Outputs	1		
Keyboard & Mouse	Included		
GENERAL			
Dimensions	27" x 16.875" x 3.5" 68.6 x 42.9 x 8.9 cm	26.5" x 16.875" x 5.5" 67.4 x 42.9 x 17.8 cm	27 x 16.875" x 7" 68.6 x 42.9 x 17.8 cm
Weight	39 - 53 lbs. 17.7 - 24.1 kg	44 - 72 lbs. 20 - 32.7 kg	49 - 90 lbs. 22.3 - 40.9 kg
Regulatory	CE, FCC, cULus, UL Listed		
Power Supplies	Dual Hot Swap		
Operating Temperature	40° - 95° F / 4.5° - 35° C		

Related Products



Exacq Mobile App



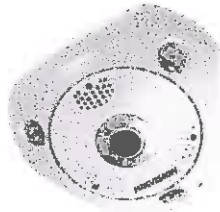
exacqVision S-Series
Storage Device



exacqVision Surveillance
Keyboard

www.exacq.com

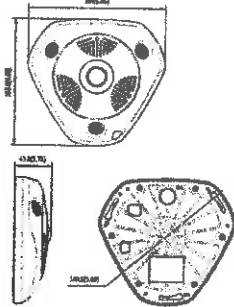
DS-2CD6362F-I 6 MP Fisheye Network Camera



Key Features

- 6 Megapixel Image Sensor
- 1/1.8" Progressive Scan CMOS
- Up to 3072 × 2048 Real-Time Streaming
- 360° View Angle
- Multiple Viewing Modes
- Multiple ePTZ Streams with Preset and Patrol Functions
- Ceiling, Wall, or Table Mount Modes
- Up to 15 Meters IR Range
- Built-In Microphone and Speaker
- IP66
- IK10 Vandal Resistant

Dimensions (unit: mm)



Mounting Options



DS-2CD6362F-I	
Camera	
Image Sensor	1/1.8" progressive scan CMOS
Minimum Illumination	0.3 lux (1/2.8, AGC on); 0 lux with IR
Shutter Speed	1/25 (1/30) s to 1/100,000 s
Lens	1.27 mm, f/2.8; angle of view: 180°
Lens Mount	M12
Day/Night	ICR
Compression Standards	
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.726)/64 Kbps (MP2L2)
Network	
Network Storage	NAS, SAMBA/CIFS
Alarm Trigger	Motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, CoS, IPv6, Bonjour
Security	User authentication, watermark, IP address filtering, anonymous access
Standards	ONVIF, PSIA, CGI, ISAPI
Image	
Maximum Resolution	3072 × 2048
Frame Rate	Fisheye: M1: 15 @ FE (M), PM), 3XePTZ(M) Main: 3072 × 2048, Sub: 1280 × 1280; M2: 30 @ FE(M), 4XePTZ(M) Panorama: M3: 15 @ FE(M), FE(S), 15 @ Main: 2048 × 1536, Sub: 740 × 480 ePTZ(M) M4: 30 @ P(M), P(S) ePTZ. Main: 1024 × 768
Number of Streams	High frame rate mode: 1 or 4; multi-channel: up to 5; (no sub-streams)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Image Settings	Saturation, brightness, contrast, hue, sharpness, AGC, white balance
HLC	Supported
Day/Night Switch	Auto/manual/scheduled/alarm trigger
Interface	
Audio Input	1 built-in microphone by default, 24 db
Audio Output	1x built-in speaker by default, supports echo cancellation
Communication	1x built-in speaker by default, supports echo cancellation
On-Board Storage	Built-in microSD/SDXC slot, up to 128 GB
Operating Conditions	-30° C to 60° C (-22° F to 140° F); humidity 95% or less (non-condensing)
Power Supply	12 VDC ±10%/PoE (802.3af)
Power Consumption	Maximum 12 W
IR Range	10 meters
Impact Protection	IEC60688-2-75EH, 20J; EN50102, up to IK10 (-V)
Ingress	IP66 (-V)
Protection Level	
Dimensions	164 mm × 152.8 mm × 43.8 mm (6.46" × 6.02" × 1.72")
Weight	-1400 g (-3.09 lbs)

Order Models

- DS-2CD6362F-I
- DS-2CD6362F-IV (vandal resistant, IP66, IK10)

DS-2CD4565F-IZH

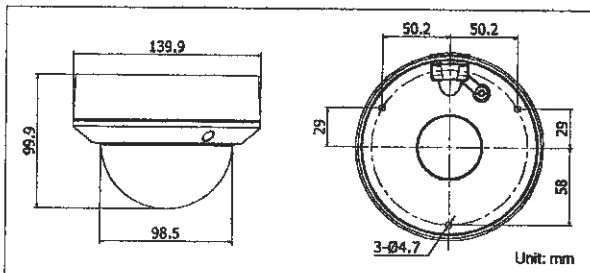
6 MP Smart IP Outdoor Dome Camera with IR



Key Features

- 6 Megapixel High Resolution
- 3072 x 2048 Resolution
- Triple Video Streams
- 2.8 mm to 12 mm Motorized Lens
- Digital Wide Dynamic Range
- 3D Digital Noise Reduction
- Full Smart Suite
- PoE+ (802.3at)
- IR Range 40 Meters (~130 Feet)
- IP66 and IK10 Protection
- Audio and Alarm Input/Output
- Edge Storage, MicroSD Slot, 128 GB

Dimensions



Accessories



PC165 + WMS
Wall Mount



CB165
Conduit Base



AB165
Angled Base

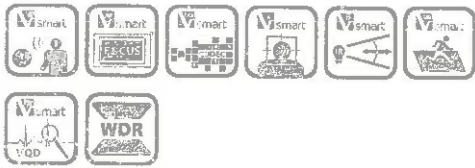
Order Model

DS-2CD4565F-IZH

DS-2CD4565F-IZH	
Camera	
Image Sensor	1/ 1.8" progressive scan CMOS
Minimum Illumination	Color: 0.014 lux @ (f/1.4,AGC on); B/W : 0 lux with IR
Shutter Speed	1/3 s to 1/10,000 s
Slow Shutter	Yes
Lens	2.8 mm to 12 mm @ f/1.4, motorized lens
Angle of View	94.5° to 3.5°
Auto-Iris	DC Drive
Day/Night	IR cut filter with auto switch/schedule/triggered by alarm
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Pan/Tilt /Rotation	Pan: 0° to 355°, tilt: 0° to 75°, rotation: 0° to 355°
Compression Standards	
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Baseline/Main/High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Triple Streams	Yes
Audio	G.711/G.722.1/G.726/MP2L2, 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 128 Kbps (MP2L2)
Image	
Maximum Resolution	3072 x 2048
Frame Rate	24 fps @ 3072 x 2048 30 fps @ 3072 x 1728, 2560 x 2048, 2560 x 1920, 2048 x 1536, 1920 x 1080, 1280 x 720
Image Settings	Compression, color, saturation, brightness, contrast, sharpness, rotate mode, privacy mask; adjustable by IVMS 4200/4500 client software or Web browser
Back Light Compensation	Yes, zone configured
Region of Interest (ROI)	Yes, 4 regions
Analytics	
Smart Features	Region entrance, region exiting, unattended baggage, object removal, scene change, sudden audio increase/decrease, audio loss, defocus, object counting, defog, line crossing detection (4 lines), intrusion detection (4 regions)
Network	
Network Storage	NAS (supports NFS,SMB/CIFS); ANR
Alarm Triggers	Motion detection, line crossing detection, intrusion detection, defocus detection, tamper alarm, network disconnect, IP address conflict, storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	Three level user authentication, password authorization, HTTPS and SSH certificate, IEEE802.1X, basic and digest authentication, watermark, IP address filtering, log-in lockout
Standards	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Communication	1 RJ-45 10M/100M Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Alarm	1 alarm I/O
Audio	1 audio I/O
Video Output	1 Vp-p composite output (75 ohm BNC)
General	
Operating Conditions	-40° C to 60° C (-40° F to 140° F), humidity 95% or less (non-condensing)
Power Supply	12 VDC/24 VAC ±10%, PoE+ (802.3at) UL/cUL Listed
Power Consumption	Maximum 17.5 W
IR Range	40 meters (~130 feet)
Ingress Protection	IP66
Impact Protection	IEC60068-275Eh, 20J; EN50102, up to IK10
Dimensions	Φ164.9 mm x 127 mm (Φ6.49" x 5")
Weight	2100 g (4.62 lbs)

DS-2CD4124FWD-(I)(Z)

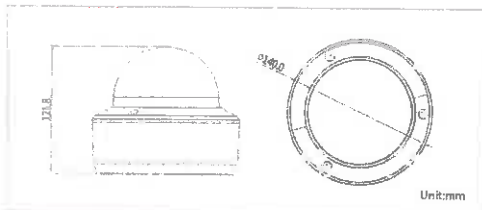
2MP CMOS Vandal-proof Network Dome Camera



Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog
- People Counting

Dimensions



Accessories



Indoor in-ceiling mount
DS-1227ZJ



Indoor wall mount
DS-1273ZJ-130

Available models

DS-2CD4124FWD, DS-2CD4124FWD-I,
DS-2CD4124FWD-Z, DS-2CD4124FWD-IZ

* "-Z" is equipped with Motorized VF lens

DS-2CD4124FWD-(I)(Z)	
Camera	
Image sensor	1/2.8" progressive scan CMOS
Min. illumination	0.02 Lux @ (F1.2, AGC ON), 0 lux with IR, 0.027 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter time	1s ~ 1/100,000s
Slow shutter	Yes
Lens	2.8-12mm @ F1.4, angle of view: 113-33.8° (-Z: 2.8-12mm @ F1.4, angle of view: 113-33.8°)
Lens mount	Ø14
Angle adjustment	Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°
Auto iris	DC drive
Day & night	Electronic (-I: IR cut filter with auto switch)
Digital noise reduction	3D DNR
Wide dynamic range	120dB
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
H.264 codec profile	Baseline Profile / Main Profile / High Profile
Video bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711/G.722.1/G.726/MP2L2
Audio bit rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. resolution	1920 x 1080
Frame rate	50Hz: 50fps(1920 x 1080, 1280 x 960, 1280 x 720) 60Hz: 60fps(1920 x 1080, 1280 x 960, 1280 x 720)
3rd stream	Independent setting, up to: 50Hz: 25fps(1920 x 1080), 60Hz: 30fps(1920 x 1080)
Image settings	Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
BLC	Yes, zone configurable
HLC	Yes
Defog	Yes
EIS	Yes
Picture overlay	128 x 128, BMP 24bit, zone configurable
ROI	Yes, up to 4 configurable areas for each of 3 streams
Network	
Network storage	NAS (Support NFS,SMB/CIFS)
Alarm trigger	Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User authentication, watermark, IP address filtering, anonymous access, reset
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch 3.5mm audio interface, Mic in/Line in
Audio output	1-ch 3.5mm audio interface
Communication interface	1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface
Alarm I/O	1/1
Video output	1 Vp-p composite output (75 Ω / BNC)
On-board storage	Built-in micro SD/SDHC/SDXC card slot, up to 64GB
General	
Operating conditions	-30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3at)
Power consumption	Max. 13.5W
IR range	Up to 30m
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
Dimensions	Ø140 x 121.8 mm (Ø5.51" x 4.80")
Weight	1400 g (3.09 lbs)

AXIS Q6128-E PTZ Dome Network Camera

1495380/EN/14.2/022017

Models	AXIS Q6128-E 50 Hz AXIS Q6128-E 60 Hz
Camera	
Image sensor	1/2.3" Progressive scan CMOS
Lens	3.9–46.8 mm, F1.8–2.0 Horizontal field of view: 70.7°–6.2° Vertical field of view: 43.5°–3.5° Autofocus, auto-iris
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.45 lux at 30 IRE, F1.8 B/W: 0.03 lux at 30 IRE, F1.8 Color: 0.6 lux at 50 IRE, F1.8 B/W: 0.05 lux at 50 IRE, F1.8
Shutter time	1/10000 s to 1 s
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°–700°/s Tilt: +20 to –90°, 0.05°–500°/s Zoom: 12x optical, 12x digital, total 144x zoom Nadir flip, 256 preset positions, Tour recording, Guard tour, Control queue, On-screen directional indicator, Set new pan 0°, Adjustable zoom speed, Speed Dry
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolutions	3840x2160 UltraHD 4K to 640x360
Frame rate	Up to 50/60 fps (50/60Hz) @1080p Up to 25/30 fps (50/60Hz) @4K
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, rotation, fine tuning of behavior at low light, electronic image stabilization (EIS), manual shutter time, text and image overlay, image freeze on PTZ Defogging, backlight compensation Highlight compensation 24 Individual 3D privacy masks
Network	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTPCIP
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profiles S and G, specifications at www.onvif.org
Analytics	AXIS Video motion detection 4 Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
Event triggers	Detectors: Live Stream Accessed, Motion Detection, Shock Detection Hardware: Network, Temperature Input Signal: Manual Trigger, Virtual Inputs PTZ: Autotracking, Error, Moving, Preset Reached, Ready Storage: Disruption, Recording System: System Ready Time: Recurrence, Use Schedule
Event actions	Overlay text, PTZ preset, guard tour, video recording to edge storage, autotracking, day/night mode, pre- and post-alarm video buffering, send SNMP Trap

File upload via FTP, SFTP, HTTP, HTTPS, and email
Notification via email, HTTP, HTTPS, and TCP

Data streaming	Event data
Built-in installation aids	Pixel counter
General	
Casing	IK08, IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), Polycarbonate (PC) clear dome with Sharpdome technology
Sustainability	PVC free
Memory	1 GB RAM, 256 MB Flash
Power	Axis High PoE midspan 1–port: 100–240 V AC, max 74 W Camera consumption: typical 14 W, max 51 W Axis PoE+ midspan 1–port: 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Camera consumption: typical 14 W, max 25 W
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66)
Storage	Support for SD/SDHC/SDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Operating conditions	With 30 W midspan: –20 °C to 50 °C (4 °F to 122 °F) With 60 W midspan: –50 °C to 50 °C (–58 °F to 122 °F) Arctic Temperature Control: Start-up as low as –40 °C (–40 °F) Humidity 10–100% RH (condensing)
Storage conditions	–40 °C to 70 °C (–40 °F to 158 °F)
Approvals	EMC EN 55022 Class A, EN 55024, EN 50121–4, IEC 62236–4, EN 61000–3–2, EN 61000–3–3, EN 61000–6–1, EN 61000–6–2, FCC Part 15 Subpart B Class A, ICES–003 Class A, VCCI Class A, RCM AS/NZS CISPR22 Class A KCC KN22 Class A, KN24 Safety IEC/EN/UL 60950–1, IEC/EN/UL 60950–22 Environment IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068–2–1, IEC 60068–2–2, IEC 60068–2–78, IEC 60068–2–14, IEC 60068–2–6, IEC 60068–2–27, IEC 60068–2–30, ISO4892–2 Midspan: EN 60950–1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL–AR
Dimensions	With mounting hook: 274x165x165 mm (10 13/16 x 6 1/2 x 6 1/2 in) Without mounting hook: 256x165x165 mm (10 1/16 x 6 1/2 x 6 1/2 in)
Weight	3.0 kg (6.5 lb)
Included accessories	IP66-rated RJ45 connector kit, High PoE Midspan 1–port, Installation Guide, Windows decoder 1–user license
Optional accessories	AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see www.axis.com
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (www.openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Environmental responsibility:

www.axis.com/environmental-responsibility

AXIS Q3505-V Mk II Network Camera

Exceptional HDTV 1080p video quality

AXIS Q3505-V Mk II is a vandal-resistant fixed dome for demanding installations. Its top-quality image sensor and enhanced processing with Lightfinder technology provide exceptional light sensitivity and Wide Dynamic Range - Forensic Capture. Electronic image stabilization is instrumental when the camera is subject to vibration, resulting in smoother and steadier video. The camera is easy to install with smart conduit connection and cable management, as well as remote zoom and focus that eliminates the need for hands-on fine tuning. It is ideal for identification of people, objects and vehicles in harsh environments and difficult light conditions.

- > [Lightfinder and WDR - Forensic Capture](#)
- > [HDTV 1080p at up to 60 fps or 720p up to 120 fps](#)
- > [Axis Zipstream technology](#)
- > [Electronic Image Stabilization](#)
- > [IK10 impact resistance and IP52 dust and water protection](#)



AXIS Q3505-V Mk II Network Camera

Models	AXIS Q3505-V Mk II 9 mm AXIS Q3505-V Mk II 22 mm
Camera	
Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	Varifocal, Remote focus and zoom, P-Iris control, IR corrected 9 mm: 3–9 mm, F1.3 Horizontal field of view: 105°–36° Vertical field of view: 57°–21° 22 mm: 9–22 mm, F1.6 Horizontal field of view: 36°–15° Vertical field of view: 19°–9°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	9 mm: HDTV 1080p 25/30 fps with WDR – forensic capture and Lightfinder: Color: 0.11 lux at 50 IRE, F1.3; B/W: 0.02 lux at 50 IRE, F1.3 HDTV 1080p 50/60 fps: Color: 0.22 lux at 50 IRE, F1.3; B/W: 0.04 lux at 50 IRE, F1.3 22 mm: HDTV 1080p 25/30 fps with WDR – forensic capture and Lightfinder: Color: 0.17 lux at 50 IRE, F1.6; B/W: 0.03 lux at 50 IRE, F1.6 HDTV 1080p 50/60 fps: Color: 0.34 lux at 50 IRE, F1.6; B/W: 0.06 lux at 50 IRE, F1.6
Shutter time	1/143000 to 2 s
Camera angle adjustment	Pan: 360° Tilt: –5° to 90° (0° = lens directed at a right angle to camera base) Rotation: ±95°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolutions	1920x1080 to 160x90
Frame rate	HDTV 1080p (1920x1080) with WDR: 25/30 fps with power line frequency 50/60 Hz HDTV 1080p (1920x1080) without WDR: Up to 50/60 fps with power line frequency 50/60 Hz HDTV 720p (1280x720) without WDR: Up to 100/120 fps with power line frequency 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
Image settings	Scene profiles, Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control, Defogging, Exposure zones, Fine tuning of behavior at different light levels, WDR – forensic capture: Up to 120 dB depending on scene, Electronic Image Stabilization, Barrel distortion correction, Text and image overlay, Privacy masks, Mirroring of images, Rotation: 0°, 90°, 180°, 270°, Auto, including Corridor Format
Pan/Tilt/Zoom	Digital PTZ, Optical zoom, Preset positions 9 mm: 3x Optical zoom, 2x Digital zoom 22 mm: 2.4x Optical zoom, 2x Digital zoom
Audio	
Audio streaming	Two-way
Audio compression	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8kHz, Opus 8/16/48 kHz Configurable bitrate
Audio input/output	External microphone input or line input, Line output
Network	
Security	Password protection, IP address filtering, IEEE 802.1X network access control ^a , HTTPS ^a encryption, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS, SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S and ONVIF Profile G, specification at www.onvif.org
Analytics	AXIS Video Motion Detection 4, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
Event triggers	Analytics, External input, Edge storage events, Shock detection
Event actions	File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS, and TCP External output activation, Pre- and post-alarm video buffering, Video and audio recording to edge storage, Play audio clip, Zoom preset, Overlay text, Send SNMP trap, Send video clip
Data streaming	Event data
Built-in installation aids	Remote zoom, Remote focus, Pixel counter, Leveling assistant, Autorotation
General	
Casing	IP52-rated, IK10 impact-resistant casing with polycarbonate dome, aluminum base and dehumidifying membrane Encapsulated electronics, Captive screws Color: White NCS S 1002-B For repainting instructions of casing or skin cover and impact on warranty, contact your Axis partner.
Sustainability	PVC free
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, typical 4.8 W, max 6.0 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE, Terminal block for two configurable inputs/outputs (12 V DC output, max. load 50 mA), 3.5 mm mic/line in, 3.5 mm line out
Storage	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Operating conditions	–10 °C to 50 °C (14 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, IEC/EN 61000-6-1, IEC/EN 61000-6-2, FCC Part 15, Subpart B, Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A, KCC KN32 Class B, KN35 Safety IEC/EN/UL 60950-1 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, IEC 60068-2-52 IEC/EN 60529 IP52, IEC/EN 62262 IK10
Weight	1.2 kg (2.6 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, Drill hole template, Cable gaskets, I/O connector, Connector guard Resistorx [®] T20 L-key, Mounting bracket
Optional accessories	AXIS Q35-V Smoked Dome, AXIS T94K01D Pendant Kit, AXIS T94K01L Recessed Mount, AXIS Skin Cover A Black, Axis ACI Conduit Adapters, AXIS Dome Microphone A, AXIS Dome Intrusion Switch B, AXIS Multicable B I/O Audio Power, Axis Mounts
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

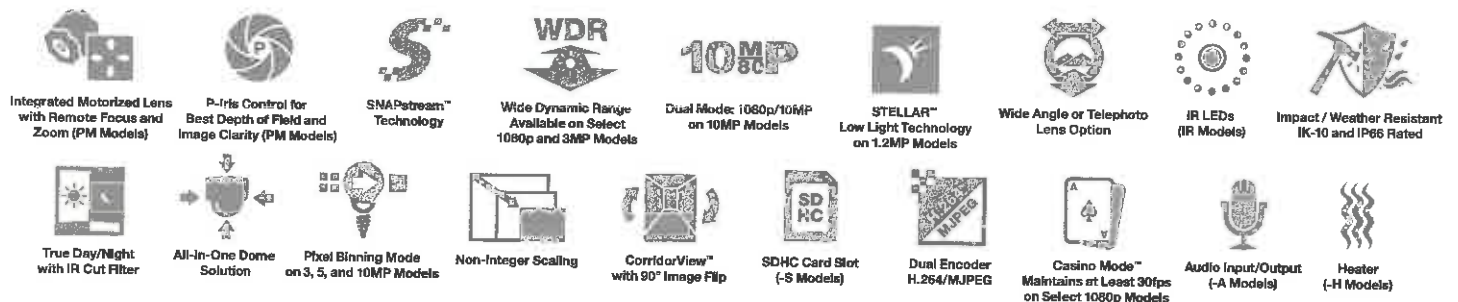
MegaDome® 2 IP Megapixel Cameras

1.2, 1.3, 1080p, 3, 5, and 10 Megapixel (MP) H.264 All-in-One Motorized P-Iris Lens True Day/Night Indoor/Outdoor Dome IP Cameras with SNAPstream™ (Smart Noise Adaptation and Processing), WDR (Wide Dynamic Range), STELLAR™ (Spatio Temporal Low Light Architecture), and IR LED Models



MegaDome® 2 second generation multi-megapixel cameras provide ample resolution to zoom-in for details in live or recorded video. These indoor/outdoor all-in-one solutions integrate a 1.2, 1.3, 1080p, 3, 5, or 10-megapixel (MP) sensor with fast frame rates together with an IR corrected motorized

wide angle or telephoto vari-focal lens. It is IP66 environmental rated and IK-10 impact-resistant. Remote focus and remote zoom make MegaDome® 2 easy to install and manage. MegaDome® 2 cameras are also available in manual lens models.



Series Features

- 1.2, 1.3, 1080p, 3, 5, and 10MP Models
- Remote Focus/Zoom Motorized, P-Iris Lens (PM Models)
- SNAPstream™ Technology Reduces Bandwidth without Impacting Image Quality*
- P-Iris Control to Get Best Depth of Field and Image Clarity (PM Models)
- Wide Angle or Telephoto Lens Options
- STELLAR™ (Spatio Temporal Low Light Architecture) Reduces Motion Blur, Noise and Storage Requirements, While Enhancing Contrast and Allowing Color Imaging in Near Complete Darkness on 1.2MP Models
- Optional True WDR up to 100dB at Full Resolution Available on Select 1080p and 3MP Models: See Clearly in Shaded and Bright Light Conditions Simultaneously
- True Day/Night Functionality with Mechanical IR Cut Filter and Optional IR LEDs
- Binning Mode for Strong Low Light Performance on 3MP, 5MP, and 10MP Cameras
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations on Select 1080p Models
- CorridorView™ Allows 90° Image Rotation for Better Coverage in Hailways and Corridors
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming, Multicasting, Forensic Zooming, and Non-Integer Scaling
- Dual Encoder H.264/MJPEG
- Heater and Optional Audio and IR LEDs (No Heater Required for WDR and STELLAR Models)
- SDHC Card Slot for Onboard Storage (-S Models)
- Network Protocols include 802.1x*, DHCP, and More
- Total PoE Solution (No External Power Required for Heater and IR LEDs), PoE and Auxiliary Power: 12–48V DC/24V AC
- Outdoor Rated IP66 and IK-10 Impact-Resistant Housing
- Easily Adjustable 3-Axis Gimbal

* SNAPstream and 802.1x not available on "-S" models

Camera Specifications

Model	AV1255		AV2255	AV2256	AV3255	AV3256	AV5255	AV10255
Image Sensor (CMOS)	1.2MP	1.3MP**	1080p	1080p**	3MP**	3MP	5MP	10MP
Day/Night	True Day/Night with Automatic Removable IR Cut Filter							
Optical Format	1/3"	1/2.7"	1/2.7"	1/3.2"	1/2.5"	1/3.2"	1/2.5"	1/2.3"
Pixel Pitch	3.75µm	3µm	3µm	2.2µm	2.2µm	2.2µm	2.2µm	1.67µm
Minimum Illumination	Color (Day Mode)	0.02 Lux	0.1 Lux	0.1 Lux	0.2 Lux	0.3 Lux	0.2 Lux	0.42 Lux
	Color Binning (Day Mode)	-	-	-	-	0.15 Lux	0.1 Lux	0.15 Lux
	B/W (Night Mode)	0.002 Lux, IR sensitive	0.01 Lux, IR sensitive	0.01 Lux, IR sensitive	0.02 Lux, IR sensitive	0.03 Lux, IR sensitive	0.02 Lux, IR sensitive	0.03 Lux, IR sensitive
Full FOV Resolution	1280 H x 960 V	1280 H x 1024 V	1920 H x 1080 V	1920 H x 1080 V	2048 H x 1536 V	2048 H x 1536 V	2592 H x 1944 V	3648 H x 2752 V
1/4 Resolution	640 H x 480 V	640 H x 480 V	960 H x 540 V	960 H x 540 V	1024 H x 768 V	1024 H x 768 V	1296 H x 972 V	1824 H x 1376 V
Scaling <small>See Scaling Resolution Chart (P.10-11)</small>	-	-	Yes (-S Models)	Yes (-S Models)	Yes (-S Models)	Yes (-S Models)	Yes (-S Models)	Yes (-S Models)
Dynamic Range	83.5dB	69dB	69dB	WDR up to 100dB	70.1dB	WDR up to 100dB	70.1dB	57.2dB
Maximum SNR	54dB	45dB	45dB	49dB	45dB	49dB	45dB	40dB
Frame Rates†	At Max Resolution	37fps (1280 x 960)	42fps (1280 x 1024)	30fps (1920 x 1080)	30fps (1920 x 1080)	21fps (2048 x 1536)	14fps (2592 x 1944)	7fps (3648 x 2752)
	Cropped	-	-	42fps (1280 x 1024)	30fps (1280 x 1024)	29fps (1920 x 1080) 30fps (1280 x 1024)	21fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 1024)	12fps (2592 x 1944) 18fps (2048 x 1536) 25fps (1920 x 1080) 37fps (1280 x 1024)
	Binning Mode	-	-	-	-	46fps (1024 x 768) 64fps (960 x 540)	21fps (1024 x 768) 21fps (800 x 600) 21fps (960 x 540) 21fps (640 x 512)	34fps (1296 x 972) 46fps (1024 x 768) 64fps (960 x 540) 54fps (1024 x 768)
Lens	Wide Angle Motorized (PM/PMIR Models)	3-9mm, 1/2.7", F1.2, RZ, RF, P-iris, H-FOV = 101°-32°	-	2.8-8mm, 1/2.7", F1.2, RZ, RF, P-iris, H-FOV = 120°-44°	2.8-8mm, 1/2.7", F1.2, RZ, RF, P-iris, H-FOV = 86°-32°	2.8-8mm, 1/2.7", F1.2, RZ, RF, P-iris, H-FOV = 94°-34°	2.8-8mm, 1/2.7", F1.2, RZ, RF, P-iris, H-FOV = 104°-39°	4-8mm, 1/2.3", F1.6, RZ, RF, P-iris, H-FOV = 89°-47°
	Telephoto Motorized (PMTR Models)	-	-	8-22mm, 1/2.7", F1.6, RZ, RF, P-iris, Telephoto, H-FOV = 42°-16°	8-22mm, 1/2.7", F1.6, RZ, RF, P-iris, Telephoto, H-FOV = 30°-12°	8-22mm, 1/2.7", F1.6, RZ, RF, P-iris, Telephoto, H-FOV = 29°-12°	8-22mm, 1/2.7", F1.6, RZ, RF, P-iris, Telephoto, H-FOV = 32°-12°	12-22mm, 1/2.3", F2.0, RZ, RF, P-iris, Telephoto, H-FOV = 30°-17°
	Manual Lens (DN Models)	-	3.4-10.5mm, 1/2.5", F1.6, H-FOV = 62°-24°	3.4-10.5mm, 1/2.5", F1.6, H-FOV = 93°-36°	3.4-10.5mm, 1/2.5", F1.6, H-FOV = 68°-26°	3.4-10.5mm, 1/2.5", F1.6, H-FOV = 73°-28°	3.4-10.5mm, 1/2.5", F1.6, H-FOV = 72°-28°	3.4-10.5mm, 1/2.5", F1.6, H-FOV = 92°-36°

* STELLAR™ Model ** Effective

Scaling Resolution Chart***

Scaled Resolution	Horizontal	Vertical	Pixel Count
720p	1280	720	921600
XVGA	1024	768	786432
DVGA (16:9)	1136	640	727040
DVGA (3:2)	960	640	614400
SVGA	800	600	480000
D1 (PAL)	720	576	414720
4CIF (PAL)	704	576	405504
D1 (NTSC)	720	480	345600
4CIF (NTSC)	704	480	337920
VGA	640	480	307200
2CIF (PAL)	704	288	202752
HVGA (4:3)	480	360	172800
2CIF (NTSC)	704	240	168960
HVGA (8:3)	640	240	153600
HVGA (3:2)	480	320	153600
HVGA (16:9)	480	272	130560
CIF (PAL)	352	288	101376
CIF (NTSC)	352	240	84480
QVGA (SIF)	320	240	76800
QCIF (PAL)	176	144	25344
QCIF (NTSC)	176	120	21120
SQCIF	128	96	12288

*** All scaled resolutions are available on all cameras that support scaling

† Maximum with H.264 compression

‡ SNAPstream and 302.1x not available on "-S" models

Programmability

Optics	Remote focus, remote zoom, P-iris (PM Models)
Low Light Performance	Pixel Binning Mode 3, 5 and 10MP models
Programmable Shutter Speed	Controls motion blur, 1ms-500ms
Motion Detection	Real-time, 1024 detection zones
Privacy Masking	Unlimited
Scaling	Non-integer scaling down to 128x96 (-S models)
Casino Mode™	Maintains 30fps or higher (AV2255 models)
Flexible Cropping	Resolution windowing down to 1x1 pixel for JPEG and 2x2 pixels for H.264
Backlight Compensation	Multi-matrix white balance
Flicker Control	5Hz-255Hz adjustable, 50/60Hz (-S models)
Image Rotation	CorridorView™ (90°, 180° and 270° image rotation)
Wide Dynamic Range	Auto adjustment between WDR and LDR modes (WDR models only)
Noise Reduction	Low light noise filter control
Efficiency	Snapstream™ (Smart Noise Adaptation and Processing) Bit rate and bandwidth limitation control Bandwidth and storage savings by running at 1/4 resolution
Sharpness	Selectable enhancement level
Miscellaneous	Programmable resolution, brightness, saturation, gamma, tint Electronic pan, tilt, zoom (PTZ)

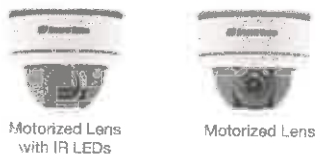
Ordering Information



Model Specific Features

Model	Resolution	Frame Rate	Features		
AV1255	1.2MP	37fps	-	-	STELLAR™
	1.3MP	42fps	-	-	-
AV2255	1080p	30fps	-	Casino Mode™	-
AV2256	1080p	30fps	WDR	-	-
AV3255	3MP	21fps	-	-	Binning
AV3256	3MP	21fps	WDR	-	Binning
AV5255	5MP	14fps	-	-	Binning
AV10256	10MP	7fps	-	-	Binning

Configurations

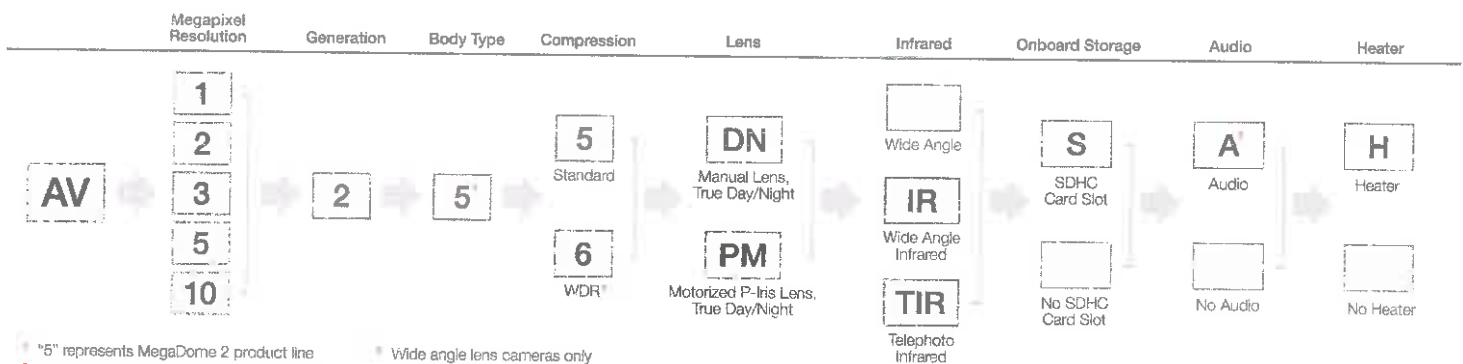


Options

DN	Manual Lens, True Day/Night
PM	Wide Angle Lens w/ Remote Focus/Zoom, P-Iris, True Day/Night
PMT	Telephoto Lens w/ Remote Focus/Zoom, P-Iris, True Day/Night
IR	IR LEDs
-S	SDHC Card Slot, Non-Integer Scaling
-A	Audio
-H	Heater (Non-WDR and Non-STELLAR™ Models Only)

Note: Not all options available on all models.

Create Your Model (Example: AV10255PMTIR-SH)



* "5" represents MegaDome 2 product line
 † WDR for AV2256 and AV3256 models only

‡ Wide angle lens cameras only
 † Maximum with H.264 compression

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Model Numbers

1.2MP	AV1255PM-S	
	AV1255PMIR-S	
1.3MP	AV1255DN-H	
1080p	AV2255DN-H	
	AV2255PM-H	
	AV2255PMIR-SAH	
	AV2255PMIR-SH	
	AV2255PMTIR-SH	
	AV2256DN	
	AV2256PM	
	AV2256PMIR-S	
3MP	AV2256PMTIR-S	
	AV3255DN-H	
	AV3255PM-H	
	AV3255PMIR-SH	
	AV3255PMTIR-SH	
	AV3256DN	
	AV3256PM	
	AV3256PMIR-S	
5MP	AV3256PMIR-SA	
	AV3256PMTIR-S	
	AV5255DN-H	
	AV5255PM-H	
	AV5255PMIR-SH	
10MP	AV10255PMIR-SH	
	AV10255PMTIR-SH	

Accessories (Sold Separately)

AV-CRMA	Corner Mount Adapter
AV-EBAR	Round Electrical Box Adapter
AV-EBAS	Square Electrical Box Adapter
AV-FMA	Flush Mount Adapter
AV-JBA	Junction Box Adapter
AV-PMA	Pole Mount Adapter
AV-PMJB	Pendant Mount with Junction Box (Fits Cap 1.5" NPT, Box Fits 3/4" NPT)
AV-WMJB	Wall Mount Bracket with Junction Box (Fits Cap 1.5" NPT, Box Fits 3/4" NPT)
MD-2HK	Heater Kit for MegaDome® 2
MD-CAP	Mounting Cap for MegaDome Series and SurroundVideo® G5 Mini
MD-JBA	Junction Box Adapter for MegaDome Series and SurroundVideo G5 Mini



Data Transmission

Compression Type	H.264 (MPEG-4, Part 10) / Motion JPEG	
	21 levels of quality	
Network Protocols	RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, 802.1x	
Network Interface	100Base-T Ethernet	
Multi-Streaming	1.2-5MP Models	8 non-identical streams
	10MP Models	4 non-identical streams

Compliance

Industry Standard	ONVIF Profile S conformant
Listings	UL (CB)
FCC Compliance	47 CFR 15 Class A
Environmental	RoHS, REACH, WEEE
Markings	CE: EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1
Networking Standard	IEEE 802.3af-2003 PoE Standard, Class 3, IPv4, 802.1x
Mechanical	IK-10 (EN62262), IP66 (EN60529)
CoO	Made in the USA

Environmental

Operating temperature	-40°C (-40°F) to +50°C (122°F) w/ Heater or WDR/STELLAR™ Models w/o Heater
Humidity	0% to 90% (non-condensing)
Storage temperature	-40°C (-40°F) to +60°C (140°F)

Electrical

Alarm Input/Output	General purpose opto-coupled, 1 input / 1 output
Power Over Ethernet	PoE 802.3af, Class 3
Auxiliary Power	12-48V DC, 24V AC

Max Power Consumption (Watts DC Power)

Model	AV1255		AV2255	AV2256/AV3256	AV3255/AV5255	AV10255
	1.2MP	1.3MP				
DN	-	-	-	6.6	-	-
DN-H	-	10.2	10.2	-	9.9	-
PM	-	-	-	11.3	-	-
PM-H	-	-	12.2	-	11.9	-
PM-S	10.9	-	-	-	-	-
PMIR-S	11.9	-	-	12.7	-	-
PMIR-SA	-	-	-	- / 12.7	-	-
PMIR-SAH	-	-	12.1	-	- / 12.1	-
PMIR-SH	-	-	12.1	-	12.1	13.0
PMTIR-S	-	-	-	14.2	-	-
PMTIR-SH	-	-	14.5	-	14.4	13.8

* SNAFutream and 802.1x not available on "-S" models

IR Illuminator (IR Models Only)

PMIR	24 pcs 850nm LEDs / 50ft (15m) IR distance (max) / 40° IR angle
PMTIR	24 pcs 850nm LEDs / 120ft (36m) IR distance (max) / 30° IR angle
Power Over Ethernet	Total PoE solution (No external power requirement)

Audio Electrical (-A and -AH Models Only)

Streaming	Two-way
Compression	G.711 PCM 8 kHz
Input/Output	Microphone in or line in / line output

Heater Electrical (-H and -AH Models Only)

Power Consumption	2.28 W max
Switch	On: 4°C (32.9°F), Off: 6.5°C (43.7°F)
Power Over Ethernet	Total PoE solution (No external power requirement)

Mechanical

Casing	Die-cast aluminum chassis with 4" polycarbonate dome bubble IP66 weather proof standard Impact resistant, IK-10 rated	
Gimbal	Easily adjustable 3-axis camera gimbal w/360° pan, 90° tilt and 360° z-axis	
Dimensions	Unit	Ø 5.5" (140mm) x 4.9" H (125mm)
	Packaged	6" H (152mm) x 8" W (203mm) x 7.5" L (190mm)
Weight	Unit	2.25lbs (1.02kg)
	Packaged	2.85lbs (1.27kg)
On Board Storage	SDHC slot up to 32GB (Card not included)	

Dimensions

