



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 MMB11028

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 ROBERTA WAGNER
 304-558-0067

VENDOR

Advanced Technologies
 Earl Moyer
 PO Box 4368
 Parkersburg, WV 26104

SHIP TO

HEALTH AND HUMAN RESOURCES
 MILDRED MITCHELL-BATEMAN
 HOSPITAL
 1530 NORWAY AVENUE
 HUNTINGTON, WV
 25705 304-525-7801

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B | FREIGHT TERMS |
|--------------|---------------|----------|-------|---------------|
| 12/10/2010 | | | | |

BID OPENING DATE: 01/06/2011 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT. NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-------------|------------|--------|
| ADDENDUM NO. 1 | | | | | | |
| 1. QUESTIONS AND ANSWERS ARE ATTACHED. 2. PLEASE NOTE THAT THE BID OPENING HAS BEEN MOVED FROM 12/23/2010 TO 1/6/2011 AT 1:30 PM. 3. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID. | | | | | | |
| EXHIBIT 10 | | | | | | |
| REQUISITION NO.: MMB11028 | | | | | | |
| ADDENDUM ACKNOWLEDGEMENT | | | | | | |
| I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC. | | | | | | |
| ADDENDUM NO. S: | | | | | | |
| NO. 1 . <i>Received RAA</i> | | | | | | |
| NO. 2 | | | | | | |
| NO. 3 | | | | | | |
| NO. 4 | | | | | | |



SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|-----------|-----------|-----------------------------------|
| SIGNATURE | TELEPHONE | DATE |
| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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| PAGE |
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| ADDRESS CORRESPONDENCE TO ATTENTION OF: |
| ROBERTA WAGNER |
| 304-558-0067 |

VENDOR

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|------|----------|-----|---------|-------------|------------|--------|
|------|----------|-----|---------|-------------|------------|--------|

NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.

VENDOR MUST CLEARLY 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.

Paul A Hill

 SIGNATURE

Advanced Alarm Technologies
 COMPANY

12/31/10

 DATE

NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.

REV. 09/21/2009

END OF ADDENDUM NO. 1

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 25705 304-525-7801

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
|--------------|---------------|----------|-----|---------------|
| 11/10/2010 | | | | |

BID OPENING DATE: 12/23/2010 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|--------|-------------|------------|--------|
| <p>CONTRACTORS LICENSE</p> <p>WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.</p> <p>BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: <i>Advanced Alarm Technologies</i></p> <p>CONTRACTORS LICENSE NO.: <i>WV 025246</i></p> <p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p style="text-align: center;">. APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULE AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR</p> | | | | | | |

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HEALTH AND HUMAN RESOURCES

MILDRED MITCHELL-BATEMAN
 HOSPITAL
 1530 NORWAY AVENUE
 HUNTINGTON, WV
 25705 304-525-7801

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
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| 11/10/2010 | | | | |

BID OPENING DATE: 12/23/2010 RTD OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT. NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-------------|------------|-------------------|
| PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: <p style="text-align: center;">(304) 422-4387</p> | | | | | | |
| PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE: <p style="text-align: center;">Robert Hill</p> | | | | | | |
| PLEASE NOTE: A CONVENIENCE COPY WOULD BE APPRECIATED. | | | | | | |
| ***** THIS IS THE END OF RFQ MMB11028 ***** TOTAL: | | | | | | <u>186,300.00</u> |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|---------------------------------|-----------------------------|-----------------------------------|
| SIGNATURE <i>Robert Hill</i> | TELEPHONE (304) 422-4387 | DATE 12/20/10 |
| TITLE President | FEIN 20-2085989 | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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VENDOR

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

HEALTH AND HUMAN RESOURCES
MILDRED MITCHELL-BATEMAN
HOSPITAL
1530 NORWAY AVENUE
HUNTINGTON, WV
25705 **304-525-7801**

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FCB | FREIGHT TERMS |
|--------------|---------------|----------|-----|---------------|
| 11/10/2010 | | | | |

BID OPENING DATE: **12/23/2010** BID OPENING TIME: **01:30PM**

| LINE | QUANTITY | UOP | CAT NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|---------|-------------|------------|---------------------------------|
| <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p style="text-align: center;">----- (304) 422-4387 -----</p> <p>PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE:</p> <p style="text-align: center;">----- Robert Hill -----</p> <p>PLEASE NOTE: A CONVENIENCE COPY WOULD BE APPRECIATED.</p> | | | | | | |
| <p>***** THIS IS THE END OF RFQ MMB11028 ***** TOTAL:</p> | | | | | | <p><u>186,300.00</u></p> |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|---------------------------------|------------------------------------|-----------------------------------|
| SIGNATURE <i>Robert Hill</i> | TELEPHONE (304) 422-4387 | DATE 12/20/10 |
| TITLE President | FAX 2022085989 | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

RFQ No. mmb11028

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Advanced Alarm Technologies

Authorized Signature: [Signature] Date: 12/22/10

State of West Virginia

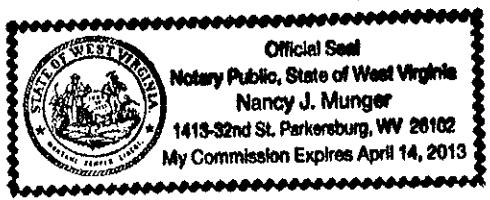
County of Wood, to-wit:

Taken, subscribed, and sworn to before me this 22 day of Dec, 2010.

My Commission expires April 14, 2013.

AFFIX SEAL HERE

NOTARY PUBLIC Nancy J. Munger



ATTACHMENT
P.O.# MmB11028

This agreement constitutes the entire agreement between the parties, and there are no other terms and conditions applicable to the licenses granted hereunder.

Agreed

Paul Hill 10/22/10
Signature Date

President
Title

Advanced Avion Technologies
Company Name

Signature Date

Title

Agency/Division

WV-96
Rev. 10/07

AGREEMENT ADDENDUM

In the event of conflict between this addendum and the agreement, this addendum shall control:

1. **DISPUTES** - Any references in the agreement to arbitration or to the jurisdiction of any court are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims.
2. **HOLD HARMLESS** - Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety.
3. **GOVERNING LAW** - The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's governing law.
4. **TAXES** - Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor or any other party.
5. **PAYMENT** - Any references to prepayment are deleted. Payment will be in arrears.
6. **INTEREST** - Should the agreement include a provision for interest on late payments, the Agency agrees to pay the maximum legal rate under West Virginia law. All other references to interest or late charges are deleted.
7. **RECOUPMENT** - Any language in the agreement waiving the Agency's right to set-off, counterclaim, recoupment, or other defense is hereby deleted.
8. **FISCAL YEAR FUNDING** - Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement, contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default.
9. **STATUTE OF LIMITATION** - Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any other party are deleted.
10. **SIMILAR SERVICES** - Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of this agreement are hereby deleted.
11. **ATTORNEY FEES** - The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void.
12. **ASSIGNMENT** - Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement.
13. **LIMITATION OF LIABILITY** - The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages to a certain dollar amount or to the amount of the agreement is hereby deleted. Limitations on special, incidental or consequential damages are acceptable. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property.
14. **RIGHT TO TERMINATE** - Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor. Agency agrees to pay Vendor for services rendered or goods received prior to the effective date of termination.
15. **TERMINATION CHARGES** - Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term.
16. **RENEWAL** - Any reference to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the parties.
17. **INSURANCE** - Any provision requiring the Agency to insure equipment or property of any kind and name the Vendor as beneficiary or as an additional insured is hereby deleted.
18. **RIGHT TO NOTICE** - Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice.
19. **ACCELERATION** - Any reference to acceleration of payments in the event of default or non-funding is hereby deleted.
20. **CONFIDENTIALITY** - Any provision regarding confidentiality of the terms and conditions of the agreement is hereby deleted. State contracts are public records under the West Virginia Freedom of Information Act.
21. **AMENDMENTS** - All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division and the Attorney General.

ACCEPTED BY:

STATE OF WEST VIRGINIA

Spending Unit: _____

Signed: _____

Title: _____

Date: _____

VENDOR

Company Name: Advanced Alarm Technologies

Signed: [Signature]

Title: President

Date: 12/22/10

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Advanced Alarm Technologies
of Parkersburg, West Virginia, as Principal, and Erie Insurance
of Erie, Pennsylvania, a corporation organized and existing under the laws of the State of Pennsylvania with its principal office in the City of Erie, as Surety, are held and firmly bound unto the State of West Virginia, as Obligee, in the penal sum of One Hundred Eighty Six Thousand Three Hundred 186,300) for the payment of which, well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for Installing Access Control and Video Surveillance Systems at the Mildred Mitchell-Bateman Hospital in Huntington, WV.

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this 27 day of December, 2010.

Principal Corporate Seal

Robert H Hill
(Name of Principal)

By Robert H Hill
(Must be President or Vice President)

President
(Title)

Surety Corporate Seal

Erie Insurance
(Name of Surety)

Chelsea Mollison
Attorney-in-Fact

IMPORTANT - Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals must be affixed, a power of attorney must be attached.



Erie
Insurance®

ERIE INSURANCE
PROPERTY & CASUALTY COMPANY
ERIE, PA 16530
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

Jeffrey L. Hood, Wendy McEldowney, Steven P. Thompson,

Randall E. Kerns, Michael W. Mason, Sue Lockwood, Dorinda Talerico, Kristine D. Mills, Emily Bolliger and Chelsea Molohan 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 one million dollars (\$1,000,000.00).-----

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 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."

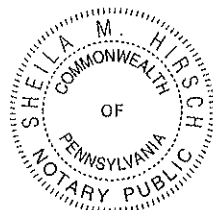
IN WITNESS WHEREOF, ERIE INSURANCE PROPERTY & CASUALTY COMPANY has caused these presents to be signed by its President and Chief Executive Officer, and its corporate seal to be hereto affixed this 18th day of September, 2008.



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

STATE OF PENNSYLVANIA } ss.
COUNTY OF ERIE

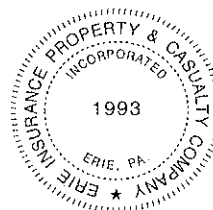
On this 18th day of September, 2008, before me personally came Terrence W. Cavanaugh, to me known, who being by me duly sworn, did depose and say: that he is President and Chief Executive Officer of ERIE INSURANCE PROPERTY & CASUALTY COMPANY, the corporation described in and which executed the above 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, 2012
Notary Public

CERTIFICATE

I, James J. Tanous, Secretary of ERIE INSURANCE PROPERTY & CASUALTY COMPANY, do hereby certify that the original 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.



James J. Tanous
James J. Tanous, Secretary

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,

this day of 20 .



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

STATE OF WV

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, Inc; and,
(Company Name)
- 2. I do hereby attest that Advanced Alarm Technologies, Inc
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code** §21-1D-5.

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

Advanced Alarm Technologies, Inc
(Company Name)

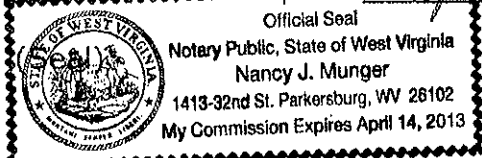
By: Robert Hill

Title: President

Date: 10/22/10

Taken, subscribed and sworn to before me this 22 day of Dec 2010

By Commission expires April 14, 2013



Nancy J. Munger
(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.

COST SHEET FOR ACCESS CONTROL SYSTEMMIMB11028

Mildred Mitchell-Bateman Hospital, Huntington, WV

Vendor offers completion of the specifications detailed by this RFQ for the following bid price:

| EQUIPMENT | Quantity | UNIT PRICE | TOTAL AMOUNT BID |
|----------------------------------------------------------------|----------|------------------------------------|------------------|
| Hardware server, complete | 1 | 1,600.00 | 1,600.00 |
| Workstations | 4 | 1,200.00 | 4,800.00 |
| Proximity card readers | 45 | 200.00 | 9,000.00 |
| Electronic door hardware | 31 | 1,000.00 | 31,000.00 |
| Surveillance cameras | 31 | 850.00 | 26,350.00 |
| Magnetic door locks | 31 | 200.00 | 6,200.00 |
| Hardware for Access Card preparation | 1 | φ | φ |
| Program Interface | 1 | φ | φ |
| Operational Interface | 1 | φ | φ |
| Hybrid Digital Video Recorders | 2 | 7,800.00 | 15,600.00 |
| | 2 | 400.00 | 800.00 |
| OTHER COSTS | | | |
| Access Control System software | 1 | 1,500.00 | 1,500.00 |
| Software for preparation of access cards for staff | 1 | φ | φ |
| Installation cost of hardware and software | 1 | 80,150.00 | 80,150.00 |
| Battery backup | 1 | 300.00 | 300.00 |
| Two (2) year warranty for software, hardware, labor and parts. | 2 | 1st Year Free 2nd Year 5,000.00 | 5,000.00 |
| Training cost | 3 | Free | φ |
| Access Card supplies | 1000 | 4.00 | 4,000.00 |

| | | |
|--------------------|--|----------------------|
| GRAND TOTAL | | \$ 186,300.00 |
|--------------------|--|----------------------|

Submitted by Vendor on 20th day of December, 2010.

Paul Hayes
Vendors Representative signature

President
Representatives Title

Advanced Alarm Technologies

P.O. Box 4368
Parkersburg, WV 26104
(304)422-4387

JOB QUOTE

Date: 12/10/2010

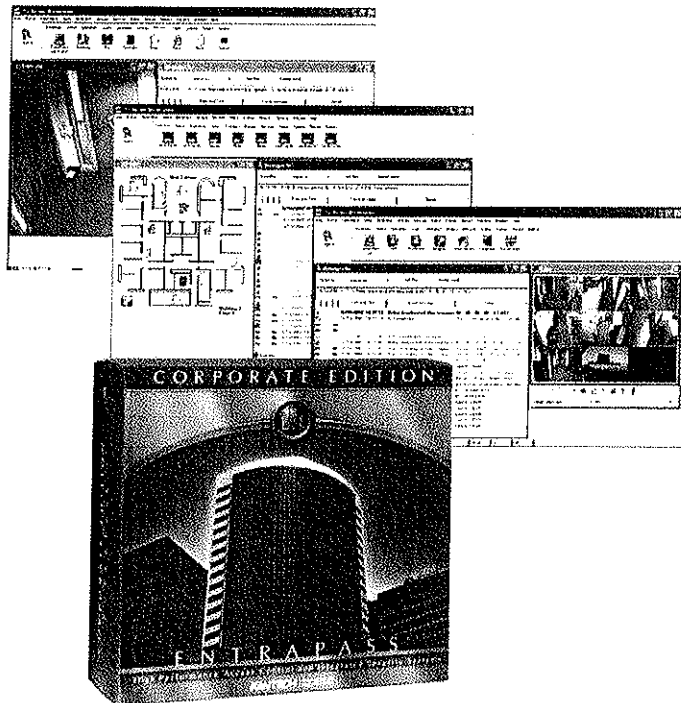
Contact: W. Earl Moyer

Department of Administration, Purchasing
2019 Washington St. East, P.O. Box 50130
Charleston, WV 25305-0130
304-558-0067
304-558-4115

We are pleased to offer the following quote:

Job Description: Access Control/ CCTV System
Mildred Mitchell-Bateman Hospital

Table with 3 columns: QUANTITY, DESCRIPTION, and PRICE. Includes items like Access Control System (\$115,500.00), Video Surveillance System (\$65,800.00), and a 2nd Year Warranty (\$5,000.00). Total price is \$186,300.00. Note: Quote includes all installation costs.



EntraPass Corporate Edition High Performance Access Control and Integrated Security System

Features That Make a Difference:

- Supports up to 20 workstations and controls thousands of doors
- Integrates with American Dynamics™ digital video management systems¹
- Supports Kantech™ IP Link which provides a secure IP solution to operate your access control system more efficiently and securely over a network
- EntraPass workspaces let you control what operators can see based on user privileges
- Update card records quickly and securely with the new EntraPass WebStation
- Display live video, play back recorded video, dispatch, log, and locally save recorded event video
- Eight operator-configurable desktops with unlimited interactive floor plans provide a highly customized experience for each workstation
- Interface with paging systems, HVAC systems and more with innovative SmartLink feature
- Integrated badging solution
- Elevator control for up to 64 doors
- Network-ready architecture lets you easily manage sites remotely
- Supports remote management from central monitoring stations (Managed Access Control)
- Redundancy server and Card Gateway (Oracle/MS SQL HR interface) ensure that critical data is secure even in the event of communication failure (optional)

Kantech EntraPass Corporate Edition is a powerful, multi-user access control system that provides features required even in the most demanding applications. The software adapts easily to meet the needs of growing businesses, allowing users to manage one building or access multiple remote sites from a network.

EntraPass Corporate Edition is extremely easy to install. Express Setup automatically defines all the necessary system components. This innovative feature reduces the time required to configure the system and eliminates programming errors.

EntraPass Corporate Edition distributed system architecture supports connections to remote sites using direct connections,

dial-up modems, and TCP/IP communication servers using Kantech IP Link (using Corporate Gateway). Kantech IP Link provides secure communication via 128-bit AES encryption. IP Link is also beneficial to the network infrastructure since communications are sent over the network only since required, keeping network traffic down to a minimum.

EntraPass integrates with the American Dynamics Intellex® Digital Video Management System and the American Dynamics EDVR Digital Video Recorder¹. This video integration dramatically increases security by allowing visual observations of monitored areas and allowing security personnel to link an access control event to a video clip directly from their access control application.

⁽¹⁾ Requires v3.1 or higher for Intellex Ultra, DVMS, IP, v3.0 or higher for Intellex LT, and EDVR v1.00

features

Kantech IP Link Provides Secure and Affordable Access Control over the Network

EntraPass supports Kantech IP Link which provides a secure and affordable way to manage your access control system over a network. IP link manages polling of door controllers and communicates with EntraPass Corporate Edition only when an event has occurred. This significantly reduces the amount of bandwidth required for your customers to manage their access control system over a network. IP Link uses 128-bit AES encryption to communicate with the system which ensures secure communication when used over the Internet.

Simplify and Improve System Management

EntraPass workspaces provide customized views of the EntraPass system based on an operator's access privileges. Each workspace is created and defined in terms of devices – gateways, sites, doors, relays, etc. and is configured to identify what areas of the EntraPass system the operator can access and view, such as desktop display, card fields, etc. Workspaces enable you to create different views of the EntraPass system that can be saved and applied to any user.

This feature also lets an operator further create and refine his or her own views to filter additional components that are not necessary for his or her day-to-day operation. The operator can create, save, and reuse temporary workspaces. This feature is useful whenever a recurring operation is needed on the system such as creating reports.

Workspaces can also be applied to desktops to specify which events and messages can be displayed on a particular PC. An installer can use such a workspace in addition to an operator workspace to filter messages during a customer installation.

Manage Card Records Remotely

Easily manage card records over the web using the EntraPass WebStation. The optional web interface provides remote access to create, modify, and delete card records without installing and maintaining additional workstations.

SmartLink for Simple and Advanced System Integration

SmartLink is an application that enables any third party application or database to automatically interact with the EntraPass system. SmartLink uses built-in macros to help you design the most commonly requested integrated applications such as CCTV multiplexers, paging systems, automated emails, HVAC systems, etc., by using an RS-232 or network connection between the system and the third-party device.

For advanced system integration, SmartLink enables communication with software applications such as time and attendance, badging, human resource management, student registration and more through Ethernet, an RS-232 port, API or with DLLs. This allows complete and real-time data exchange between systems, eliminating duplicate data entry.

The Benefits of Video Integration

Integration with an American Dynamics Intellex Digital Video Management System provides real-time video monitoring as well as video play back of critical access events. Video can be linked to access control events and recorded from different Intellex units simultaneously. Presets, sequences, dome control, and 1x1, 2x2, 3x3, and 4x4 views are available through the EntraPass software. All cameras can be called up directly from a floor plan simply by double-clicking on the camera or dome icon. Or, choose the American Dynamics EDVR Digital Video Recorder which provides your customers with an integrated video solution with a solid feature set at an economical price without compromising video quality.

EntraPass Video Vault

Installed on your network, the optional EntraPass Video Vault offers an alternative to manually saving each video clip one by one. Simply pre-define groups for your video clips (such as door forced or rejected card) and EntraPass Video Vault saves them to the appropriate group based on whatever schedules you choose. You can also pre-designate which file type you want video clips saved as – .KVI, .KVA, .IMG, or .AVI – and whether these files, if .KVI or .KVA, are assigned password protection. You can also organize your video clips using thumbnail .BMP images in lieu of icons.

take a closer look

Redundancy Server

EntraPass Corporate Edition offers an optional redundancy server with a mirror database to monitor all data activity on your primary EntraPass server and creates a real-time copy of the system database. In the event of primary server failure, the mirror database automatically launches the redundancy server which supports all the features and functionality of the primary server. Once the primary server returns online, all archives are merged and/or the entire database is copied from the redundancy server.

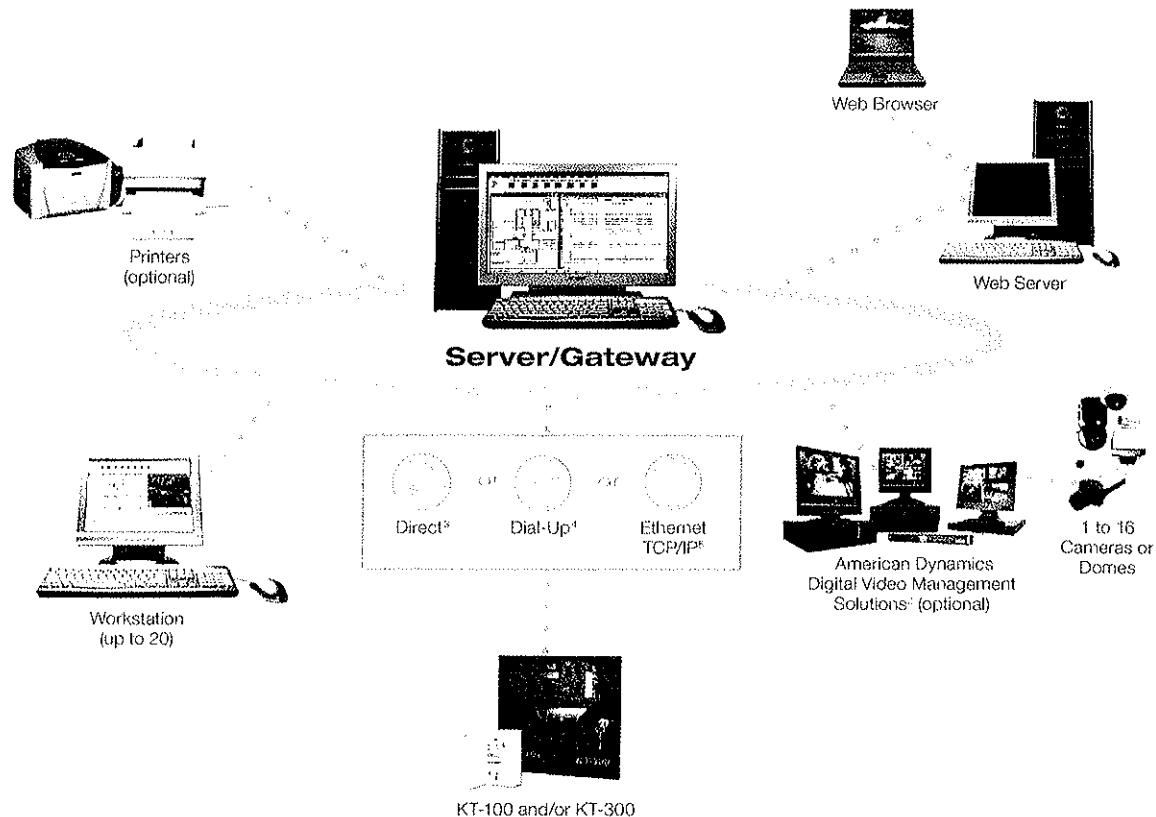
Managed Access Control

With the addition of account management, EntraPass WebStation, and Kantech IP Link support, EntraPass now provides a high-performing Managed Access Control solution ideal for central monitoring stations seeking a cost-effective option to offer to their commercial customers.

EntraPass supports the range of advanced solutions that central monitoring stations offer including access control, video surveillance, intrusion detection, and security management (guard tours, remote video management, video/ alarm verification). With these advanced features, the Kantech EntraPass solution readily provides tremendous performance and value to monitoring stations and their customers.

Basic System Diagram

EntraPass Corporate Edition is a comprehensive, multiple workstation solution for access control installations from one to thousands of doors. This proven platform supports up to 544 sites per gateway (32 local and 512 remote) and provides the ultimate balance between power and affordability in a network environment. EntraPass Corporate Edition is compatible with Kantech's complete line of door controllers, which can be configured with up to 32 controllers per loop and 17,408 controllers per gateway.



(2) Requires v3.1 or higher for Intellex Ultra, DVMS, IP, v2.6 or higher for Intellex LL, and EDVR v1.53
(3) Direct: KT-300, via RS-232 or RS-485 with USB-485 or VC-485 converter; KT-100 via RS-485 with USB-485 or VC-485 converter
(4) Dial-up: KT-300 only, using RS-232 serial modem at remote site (KT-100 needs to be connected to a KT-300)
(5) Ethernet TCP/IP: using Kantech IP-Link (KT-100 also requires VC-485 converter)

EntraPass Corporate Edition System Capacities

| | |
|-----------------------------------|----------------------------|
| Cards | Unlimited |
| Card Families or Site Codes | Unlimited |
| Door Controllers | 17,408 per gateway |
| Card Readers | 34,816 per gateway |
| Keypads | 34,816 per gateway |
| Monitored Points (Inputs) | 278,528 (KT-300) |
| Auxiliary Outputs for Reader | |
| LEDs and Door Alarms | 69,632 (KT-300) |
| Elevator Floors per Cab | 64 |
| Card User Access Levels | 250 per site |
| Access Level Combinations | Unlimited |
| Schedules of Four Time Zones Each | 100/site |
| Holidays | 366 per system |
| Operator Workstations | 20 |
| Gateways | 41 |
| System Operator Passwords | Unlimited |
| Operator Security Levels | Unlimited, pre-defined (3) |
| Concurrent Operator Languages | Two |
| Number of Printers | One per workstation |
| Serial Port / USB | Max. 32 per gateway |
| Remote Sites | Max. 512 per gateway |

Recommended Computer Requirements for EntraPass Server⁽⁶⁾

| | |
|--------------------------------|-------------------------------------------------------------------------------------------|
| Processor | Pentium® IV, 1.8 GHz |
| RAM | 1 GB |
| Free Hard Disk Space | |
| Required for Software | 20 GB |
| Screen Resolution | 1024 x 768 |
| Graphic Adaptor Card | 32 MB |
| Color Depth | 24-bit (16 million colors), required for video integration only |
| DVD/CD-ROM Drive | 48x |
| Network Interface Card | 10/100Base-T |
| Operating System Compatibility | Windows® 2000, XP, 2003 Standard or Enterprise server, Windows Vista ⁽⁷⁾ |

Model Number Package Includes:

License for EntraPass Corporate Edition software which enables one server workstation and two additional workstations, plus a Corporate Gateway and CBLK-10 cable kit.

| | |
|-------------|-----------------------------------------------------|
| E-COR-EN-V4 | EntraPass Corporate Edition v4.0 software - English |
| E-COR-SP-V4 | EntraPass Corporate Edition v4.0 software - Spanish |
| E-COR-FR-V4 | EntraPass Corporate Edition v4.0 software - French |

Manuals Only:

| | |
|--------------|-------------------------------------------------|
| E-COR-MAN-EN | EntraPass Corporate Edition v4.0 English manual |
| E-COR-MAN-SP | EntraPass Corporate Edition v4.0 Spanish manual |
| E-COR-MAN-FR | EntraPass Corporate Edition v4.0 French manual |

| | |
|-----------------|--------------------------------------------------------------------------|
| E-COR-UPG-EN-V4 | Upgrade for EntraPass Corporate Edition v3.x to v4.0 with English manual |
|-----------------|--------------------------------------------------------------------------|

Accessories:

| | |
|--------------|------------------------------------------------------------------------------------------------|
| E-COR-WEB-1 | One concurrent EntraPass Webstation connection license for EntraPass Corporate Edition v4.0 |
| E-COR-WEB-3 | Three concurrent EntraPass WebStation connection licenses for EntraPass Corporate Edition v4.0 |
| E-COR-WS6 | Six additional workstation licenses for EntraPass Corporate Edition v3.0 and higher |
| E-COR-COM | 40 additional Corporate Gateway licenses for EntraPass Corporate Edition v3.0 and higher |
| E-COR-VVM | Video Vault license for EntraPass Corporate Edition v3.0 and higher |
| E-COR-RDN | Redundancy server license for EntraPass Corporate Edition v3.0 and higher |
| E-COR-SQL | Card Gateway license for EntraPass Corporate Edition v3.0 and higher |
| E-COR-MAC | Account Management (Managed Access Control) license for EntraPass Corporate Edition |
| E-COR-KTK-1 | One Kantech token for EntraPass Corporate Edition |
| E-COR-KTK-2 | Two Kantech tokens for EntraPass Corporate Edition |
| E-COR-KTK-3 | Three Kantech tokens for EntraPass Corporate Edition |
| E-COR-KTK-5 | Five Kantech tokens for EntraPass Corporate Edition |
| E-COR-KTK-10 | 10 Kantech tokens for EntraPass Corporate Edition |

⁽⁶⁾ Actual requirements may vary based on your operating system and configuration.
⁽⁷⁾ Video functionalities are not supported with Windows Vista.

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

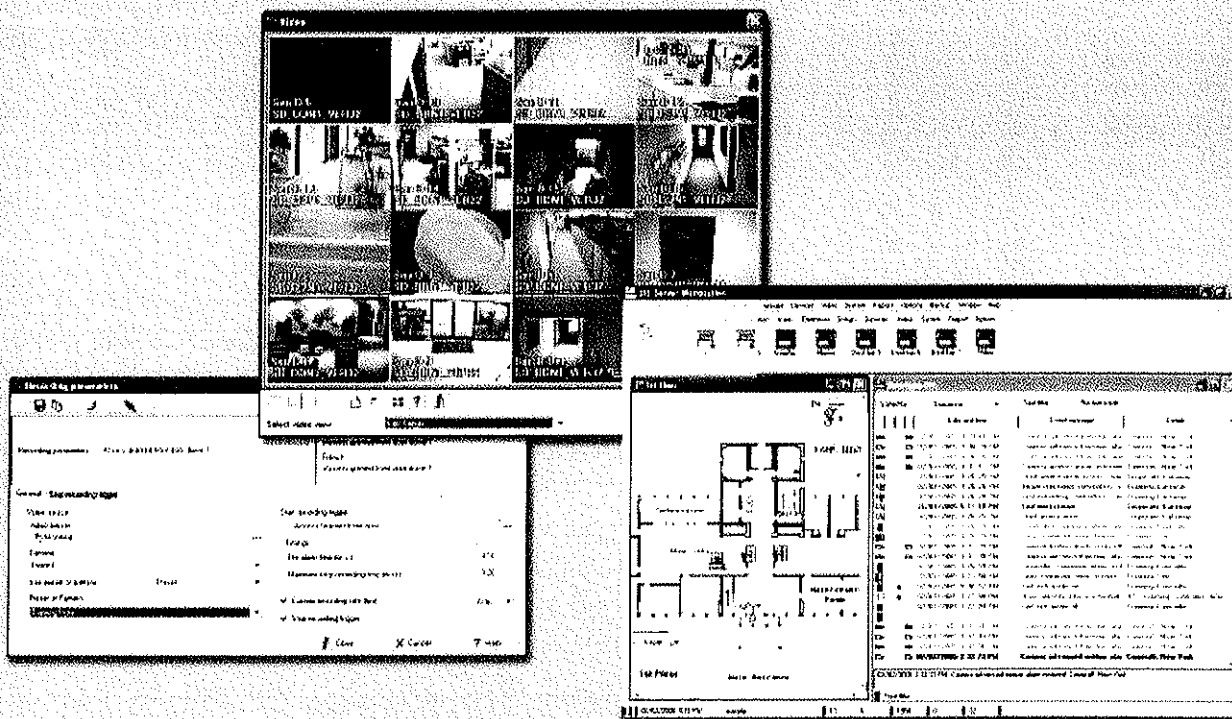
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EntraPass™ Video Integration

Powerful Access Control and Video Integration

Kantech provides a powerful integrated access control and digital video solution with its EntraPass access control software and American Dynamics' Intellex® Digital Video Management System.

By combining the easy-to-use EntraPass interface with the power of Intellex, this integrated solution sets the standard for using digital video with security applications. Customers are able to monitor video real-time through the access control system as well as play back recorded video. This dramatically increases security by providing a link between access control events and pertinent video clips, providing security personnel with video evidence of potential security violations. This integrated solution is made even more powerful with EntraPass Video Vault™, which allows users to automatically archive and password-protect video clips through the EntraPass system.



EntraPass™ Video Integration

High performance access control meets revolutionary digital video management.

Enhanced Video Integration

Integration with American Dynamics' Intellex¹ provides real-time video monitoring as well as video playback. Video can be linked to access events and recorded from 1 to 16 cameras from different Intellex units simultaneously. Different views (1x1, 2x2, 3x3, and 4x4 mode), presets called from any kind of alarm, sequences and dome control are available through the EntraPass software. All cameras can be called up directly from a floor plan simply by double-clicking on the camera icon.

EntraPass Video Vault Option

Get automated archiving for your video clips with EntraPass Video Vault. Installed on your system's network, EntraPass Video Vault offers an alternative to manually saving each video clip one by one.

Simply pre-define groups for your video clips (such as Door Forced; Rejected Card) and Video Vault will save all video to the appropriate group based on whatever schedule you choose. You can also pre-designate which file type you want video

clips saved as-.KVI, .KVA, .IMG, or .AVI-and whether these files, if .KVI or .KVA, are assigned password-protection.

You can also organize your video clips using thumbnail .BMP images in lieu of icons. Select the first frame (taken from the onset of pre-alarm footage), the event frame (which coincides with the precise moment of the alarm), or any other frame within the clip that you prefer. Video Vault can connect to as many Intellex units as you choose to integrate with your EntraPass system and can archive the video that you import from them to as many as 24 digital storage devices.

Computer Requirements

(Workstation, Gateway and Server)

| | |
|------------------------------|----------------------------------|
| Minimum processor | Pentium III 800 MHz |
| Minimum RAM recommended | 256 MB |
| Minimum free hard disk space | 4 GB |
| Color depth | 24-bit (16 million colors) |
| Network interface card | 100Base-T network adapter |
| Operating system | MS Windows® 98/XP/2000/NT |

EntraPass & Intellex Compatibility Chart

| | intellex LT | Intellex DVMS | Intellex RMS | Intellex IP |
|-----------------------------------------------------------------------------------|--------------------------|-----------------------------------|---------------------------|---------------------------|
| Number of cameras | 4, 8, 16 | 8, 16 (desktop) 16 (rackmount) | 8 | 16 |
| Maximum Images per second | 60 ips | 120 ips | 120 ips | 480 ips |
| Live video | Yes | Yes | Yes | Yes |
| Number of simultaneous connections | 5 (w/ Service Pack 1) | 10 (w/ Service Pack 1) | 10 (w/ Service Pack 1) | 10 (w/ Service Pack 1) |
| Playback option from events | Yes | Yes | Yes | Yes |
| Alarm from Intellex to EntraPass using API (motion detection, light change, etc.) | Yes | Yes | Yes | Yes |
| EntraPass Video Vault compatibility | Yes | Yes | Yes | Yes |
| Video retrieval and playback | Yes | Yes | Yes | Yes |
| Individual camera rate adjustment | Yes | Yes | Yes | Yes |
| Text (POS) and audio feature | Yes | Yes | Yes | Yes |
| Total maximum storage | 3.32 TB | 1.46 TB | 3.75 TB | 3.5 TB |

¹ Intellex LT - version 2.6 or higher
 Intellex DVMS- version 3.1 or higher
 Intellex RMS- version 3.1 or higher
 Intellex IP- version 3.2 or higher

Ordering Information

- E-COR-EN†** License for EntraPass Corporate Edition software which enables one server workstation and two additional workstations, elevator control, remote site management, SmartLink, a Corporate Gateway, CBLK-10 cable kit, and an English manual.
- E-GLO-EN-V3**†** License for EntraPass Global Edition software which enables one server workstation and four additional workstations, a Global Gateway (Windows NCC), integrated badging, elevator control, SmartLink, CBLK-10 cable kit, and an English manual.
- E-COR-VVM** License for one EntraPass Video Vault for Corporate Edition software.
- E-GLO-VVM-V3** License for one EntraPass Video Vault for Global Edition software.

*For French or Spanish reference manual version, replace "EN" with "FR" or "SP" in part number (E-COR-FR or E-COR-SP)

**For French reference manual version, replace "EN" with "FR" in part number (E-GLO-FR-V3)

† Refer to EntraPass Corporate Edition and EntraPass Global Edition datasheets for additional license options.

6005B

ProxPoint® Plus

Value Priced Proximity Card Reader

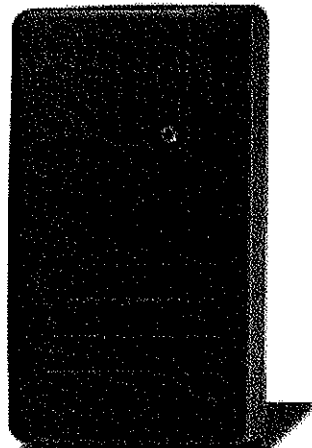
Application

HID's ProxPoint Plus reader combines multiple configuration options with an attractive, inconspicuous design and economical price. Its secure potted electronics are ideal for both indoor and outdoor applications.

Features

- Features a beeper and multicolor LED which can be host- and/or locally controlled.
- Enables various beeper and LED configurations, depending on individual site requirements.
- Can read HID cards with formats up to 85 bits.
- Designed for mounting directly onto metal with no change in read range performance.
- Available with either Wiegand or Clock-and-Data (magnetic stripe data) output.
- Compatible with all standard access control systems.
- Aesthetic design available in two cover designs and in four colors to match any decor.
- Includes multilingual installation manual.

CLASSIC



Designer

An ASSA ABLOY Group company

HID
HID CORPORATION

ProxPoint® Plus

Features

Mounting: unobtrusive design can be mounted directly onto metal such as door mullions.

Audiovisual indication: when a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multicolor LED and beeper can also be controlled individually by the host system.

Diagnostics: on reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper, and initializes reader operation. An additional external loop-back test allows for the reader outputs and inputs to be verified without the use of additional test equipment.

Indoor/outdoor design: sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, providing reliable performance and a high degree of vandal resistance.

Easily interfaced: Wiegand output model interfaces with all existing Wiegand protocol access control systems. Clock-and-Data (magnetic stripe) model interfaces with most systems that accept magnetic stripe readers.

Security: Recognizes card formats up to 85 bits, with over 137 billion unique codes.

Warranty: Lifetime warranty against defects in materials and workmanship (see complete sales policy for details).

Part numbers

Base Part No.: 6005B Wiegand Interface

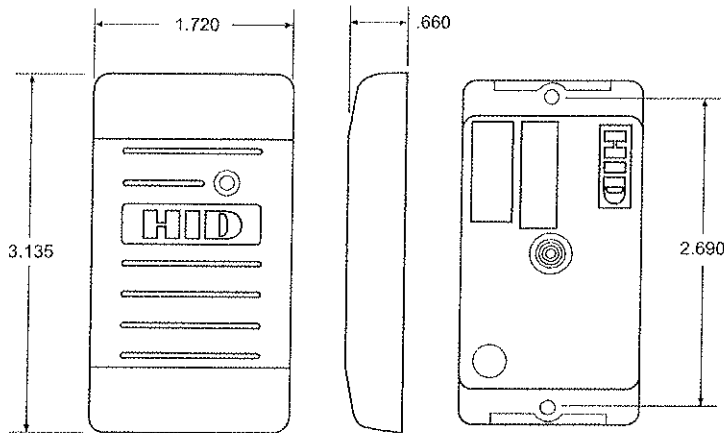
Base Part No.: 6008B Clock-and-Data Interface

Description: Tri-State LED, Pigtail Connection

Options:

- CLASSIC series cover in gray, beige, black or white (or)
- Designer series cover in grey, wave blue, black or white
- custom label
- custom embossing in housing

(Please see "How to Order Guide" for a description of options and associated part numbers).



Specifications

Typical maximum* read range

- ProxCard® II card - up to 3" (7.6 cm)
- ISOProx® II card - up to 2.5" (6.35 cm)
- DuoProx® II card - up to 2.5" (6.35 cm)
- Smart ISOProx®/DuoProx® II cards - up to 2.5" (6.35 cm)
- Proximity & MIFARE® card - up to 2.5" (6.35 cm)
- ProxCard Plus® card - up to 1.0" (2.5 cm)
- ProxKey® II keyfob - up to 1.5" (3.8 cm)
- MicroProx® Tag - up to 2" (5.1 cm)

* Depending on local installation conditions.

Dimensions

3.135" x 1.720" x 0.660" (7.96 x 4.37 x 1.68 cm)

Material: Polycarbonate UL 94

Power Supply

5-16 VDC

Linear power supplies are recommended.

Maximum Current Requirements

Current (DC)

Average 30 mA, Peak 75 mA

Operating Temperature

-22° to 150° F (-30° to 65° C)

Operating Humidity

0-95% relative humidity noncondensing

Transmit Frequency: 125 kHz

Weight: 2.7 oz. (75 gm)

Certifications

Canada/UL 294 Listed

FCC Certification, United States

Canada Certification

EU and CB Scheme Electrical Safety (EN60950 and

IEC60950 ITE Electrical Safety)

Fifteen EU Countries under the R&TTE Directive

(EN 300 330 - SRD, and ETS 300 683 - EMC)

CE Mark

Australia C-Tick, New Zealand

Taiwan, China

Cable Distance

Wiegand or Clock-and-Data interface:

500 feet (150 m)

Recommended cable is ALPHA 1295 (22 AWG) 5 conductor stranded with overall shield or equivalent.

LIT6005BDS 1/03, supersedes 8/02

www.HIDCorp.com



HID CORPORATION

9292 Jeronimo Road
Irvine, CA 92618-1905 U.S.A.
(949) 598-1600 (800) 237-7769
FAX (949) 598-1690



HDVR

Hybrid Digital Video Recorder

Features that make a difference:

- Manage analog and IP cameras from an intuitive interface
- Two flexible configurations available: 16 analog/8 IP cameras; 32 analog/8 IP cameras
- Each server is expandable to 64 IP cameras
- Supports H.264 and MJPEG on analog cameras; H.264, MPEG4, MJPEG on IP cameras
- Unique removable BNC panel improves serviceability
- 2U and 4U rack-mountable servers
- Supports a wide variety of IP cameras including multi-megapixel
- Easily and cost-effectively add IP camera licenses
- Common client allows you to connect to an unlimited number of HDVR servers
- Use multi-monitor and wide-screen client display for easy viewing
- Easy-to-use, powerful video and audio export features
- Easy-to-use multi-camera view playback and export
- User –definable permissions and privileges
- Access video with most web browsers and mobile devices
- Easily analyze search results with configurable color-coding
- RAID 5 storage



HDVR (Hybrid Digital Video Recorder) from American Dynamics protects your analog camera investment while you consider either transitioning to IP cameras, or enjoy the benefits of a mixed environment. The HDVR provides seamless integration and recording of both analog and IP video surveillance cameras on an enterprise class chassis.

The powerful, yet easy to operate client user interface installs on any standard computer running Microsoft Windows XP or Vista and can connect to multiple servers. Video from all HDVR systems can also be accessed with web browsers and mobile devices with access to the Internet.

Each HDVR server supports 16 or 32 analog inputs and 8 IP inputs, which can be easily expanded to 64 IP cameras per server. The unique hardware platform supports H.264 and MJPEG compression technology on all analog channels; H.264, MJPEG, and MPEG-4 on IP channels. A RAID 5 model provides redundant storage capabilities.

HDVR features a removable BNC panel, making it extremely easy to perform maintenance on the server without disrupting service; you simply replace the front of the unit while keeping all the BNCs intact.



General

Video Standard:NTSC (30 ips) / PAL (25 ips)
 Recording Resolution (per analog camera).....352 x 240 – CIF@30 ips
 NTSC; 704 x 280 – 2CIF@30 ips NTSC; 704 x 480 – 4CIF@30 ips NTSC
 Compression
 Analog Cameras.....H.264 / MJPEG
 IP CamerasH.264/MPEG-4/MJPEG
 Audio Output1
 Network Interface(2) Gbit 1000Base-T RJ-45
 USB2 Ports6 (2 front, 4 rear)
 VGA/DVI Monitor Output1
 Operating System.....Windows XP Pro
 RAID5 StorageOptional

Environmental

Operating Temperature.....0° to 35°C (32° to 95°F)
 Relative Humidity.....10% to 85% RH (noncondensing)
 Storage Conditions.....-40° to 70°C (-40° to 158°F)

Regulatory

Emissions

FCC Part 15 Class A
 EN55022:2006
 EN61000-3 2 :2006
 EN61000-3-3:1995 + A1:2001 + A2 :2005
 EN50130-4 :1995 + A1 :1998 + A2 :2003

Safety

UL 60950-1
 EN 60950-1: 2001+A11

Hardware

| | 2U 16-channel | 4U 32-channel |
|-----------------------------|--------------------------------------------------|---------------------------------------------------|
| Dimensions W x H x D | 48.26 x 8.89 x 57.79 cm (19 x 3.5 x 22.75 in) | 48.26 x 17.78 x 57.79 cm (19 x 7.0 x 22.75 in) |
| Weight | 12.25 – 14.51 kg (27-32 lbs) | 20.87 – 25.40 kg (46-56 lbs) |
| Analog Video Inputs | 16 | 32 |
| Looping Video Outputs | 16 | 32 |
| Analog Video Outputs | 1 | 2 |
| Audio Inputs | 16 | 32 |
| Alarm Inputs | 16 | 32 |
| Alarm Outputs | 8 | 16 |
| Relay Outputs | 1 | 2 |
| Serial Connections | RS232, RS422/RS485 | RS232, RS422/RS485 |
| Power | 120/240 VAC / 300W | 120/240 VAC / 400W |

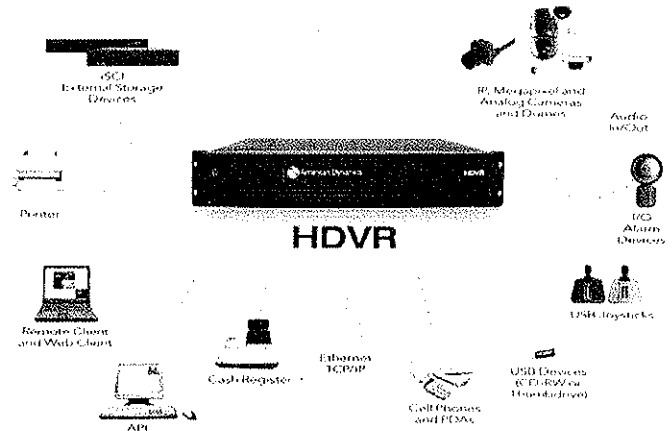
Minimum Specifications for Client Workstation

Operating System..... Microsoft Windows XP or Vista
 Processor 2 GHz Celeron
 Memory 1 GB RAM
 VGA Standard high performance
 Web Browser Compatibility Internet Explorer, Firefox, Apple
 Safari, Opera, Google Chrome
 Mobile Device Compatibility iPhone, iPod Touch, BlackBerry,
 Windows Mobile OS

Model Numbers

ADHD160100 HDVR, 2U, 16 ch. analog/ 8IP, 1TB
 ADHD160200 HDVR, 2U, 16 ch. analog/ 8IP, 2TB
 ADHD160300 HDVR, 2U, 16 ch. analog/ 8IP, 3TB
 ADHD160400 HDVR, 2U, 16 ch. analog/ 8IP, 4TB
 ADHD16R300 HDVR, 2U, 16 ch. analog/ 8IP, 3TB, RAID5
 ADHD320200 HDVR, 4U, 32 ch. analog/ 8IP, 2TB
 ADHD320400 HDVR, 4U, 32 ch. analog/ 8IP, 4TB
 ADHD320600 HDVR, 4U, 32 ch. analog/ 8IP, 6TB
 ADHD320800 HDVR, 4U, 32 ch. analog/ 8IP, 8TB
 ADHD32R600 HDVR, 4U, 32 ch. analog/ 8IP, 6TB, RAID5
 ADSHIP01 Single IP Camera License
 ADSHSSAIP01 Software Update Subscription for single IP Camera
 ADSH16SSA Software Update Subscription for 16/8 HDVR
 ADSH32SSA Software Update Subscription for 32/8 HDVR

System Diagram



Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

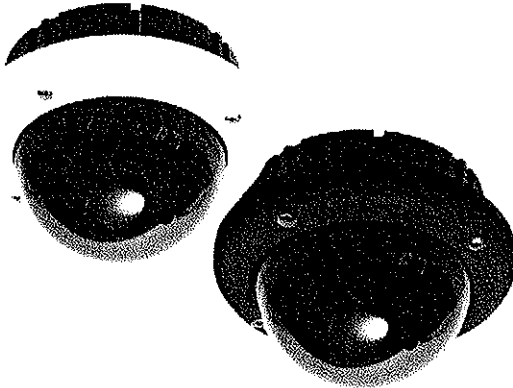
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Discover Indoor/Outdoor Mini-Domes

Features That Make a Difference:

- High impact vandal resistant housing that retains shape even after forceful impact
- Snap-on bubble liner for an extra level of covertness
- Advanced pivoting axis provides greater viewing flexibility
- Three quality auto iris lens options for better image quality and improved low light performance
- High impact vandal resistant polycarbonate bubbles (clear and tinted)
- Multiple camera options, including WDR model with latest Pixim[®] technology and True Day/Night with moving IR filter
- Night-Saver mode for extreme low light conditions
- Easy installation with eight mounting options (surface, flush, pendant, wall, wall-pole, wall-exterior corner, inside corner, electrical box)
- Discover drone option
- IP66 and NEMA4-rated¹ for -30° to 50°C (-22° to 122°F)



The Discover series of Mini-Domes delivers a vandal resistant camera solution at a non-vandal resistant price. This series of high performance mini-domes includes high impact, vandal resistant dome housings built to withstand even the harshest environments. Unlike other dome housings in the industry, which are made of metal, the Discover series housing is made with extremely durable composite and polycarbonate materials that have "shape memory". The Discover housing comes with a choice of clear or tinted vandal resistant bubbles and includes a bubble liner to make it more covert. An advanced pivoting axis lets you position the camera at exactly the angle you need, while optimal white balance provides the clearest, most color-perfect images possible.

With three different types of mini-domes to choose from, there's a Discover solution just right for your particular requirements.

The Discover wide dynamic range (WDR) mini-dome uses over 504 lines of resolution and a pixel-by-pixel shutter speed that lets you see better in areas where both very bright and dark areas exist, such as an entranceway. This model also features up to a 2x digital zoom to get an even closer view of the action. Night-Saver mode improves performance in low light situations,

automatically switching from color to monochrome as light dims, and reverting back to color once light is restored. The WDR mini-dome also includes a DVR-Saver mode which helps conserve valuable hard drive space, reducing the size of video files by up to 30% when used with an Intellex digital video management system.

The Discover high resolution mini-dome has 540 TVL and also includes a user-selectable Night-Saver mode. For challenging lighting environments, a selectable expanded auto white balance mode is available. Vivid colors and powerful low light performance provide some of the best images available on the market today.

The True Day/Night model incorporates a moving IR cut filter and switches automatically from color to monochrome to provide enhanced IR-sensitive night viewing.

The Discover series includes a drone option—which looks like a mini-dome from the outside but without a camera inside—and is perfect for crime deterrence at an even greater cost savings.

⁽¹⁾ Full certified



| General | Wide Dynamic Range | High Resolution | True Day/Night |
|------------------------------|------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------|
| Imager | Pixim orca sensor | 1/3-inch CCD | 1/3-inch CCD |
| Video Output | 1.0 Vp-p/75-ohm, BNC | 1.0 Vp-p/75-ohm, BNC | 1.0 Vp-p/75-ohm, BNC |
| Horizontal Resolution | 504+ TV lines | 540 TV lines | 540 TV lines |
| Active Pixel Count (H x V) | Universal: 720 x 540 | NTSC: 768 x 494 (PAL: 752 x 582) | NTSC: 768 x 494 (PAL: 752 x 582) |
| Minimum Illumination | 0.95 lux @ F1.2 | Typ ² : 0.65 lux @ F1.2 Min ³ : 0.19 lux @ F1.2 | Day: 0.65 lux @ F1.2 Night: 0.07 lux @ F1.2 |
| Digital Slow Shutter (DSS) | 2x (default) – 32x | N/A | N/A |
| Wide Dynamic Range | 120 dB/17-bit | N/A | N/A |
| Sync System | Line-lock, phase-adjustable or internal | Line-lock, adjustable or internal | Line-lock, adjustable or internal |
| S/N Ratio | >42 dB | 50 dB | 50 dB |
| White Balance | Automatic white balance (AWB), One-touch & manual | AWB | AWB |
| AWB Ranges—Normal (Extended) | 2200 – 7500 K (2000 – 11000 K) | 2700 – 11000 K (2000 – 18000 K) | 2700 – 11000 K (2000 – 18000 K) |
| WDR Metering Zone | One zone adjustable | N/A | N/A |
| Backlight Compensation | N/A | Center weighted on/off | Center weighted on/off |
| Flickerless Mode | Selectable on/off | Selectable on/off | Selectable on/off |
| Night-Saver | Selectable on/off | Selectable on/off | N/A |
| DVR-Saver Mode | Selectable on/off | N/A | Selectable on/off |
| Digital Zoom | Scalable, up to 2x | N/A | N/A |
| Power Consumption | 3 watts | 2.8 watts | 4.5 watts |
| Weight | 0.9 kg (1.9 lbs) | 1.0 kg (2.2 lbs) | 1.0 kg (2.2 lbs) |

Common to all Discover Mini-Domes

| Physical, Electrical, Environmental & Regulatory | | Lenses | |
|----------------------------------------------------|-------------------------------------------------|------------------------------------------|----------------------------------------------|
| Dimensions (H x W) | 92 x 136 mm (3.6 x 5.4 in) | 3.0 – 9.0 mm auto iris lens ⁶ | |
| Housing Color | White or Black | F-Stop | F1.2 – 360 |
| Environmental Rating | IP66 ⁴ , NEMA4 ⁴ | Field of View (H x V) | 90.0° x 66.2° (wide) & 31.8° x 23.9° (tele) |
| Bubble Diameter | 94 mm (3.7 in) | 9.0 – 22 mm auto iris lens | |
| Bubble Thickness | 2.5 mm (0.1 in) | F-Stop | F1.4 – 360 |
| Bubble F-Stop | F1.0 (tinted); F0 (clear) | Field of View (H x V) | 32.1° x 23.3° (wide) & 13.1° x 9.8° (tele) |
| Pan & Effective Tilt (at 17 in) Range ⁵ | 360° & 180° (+/-90°) | 2.9 – 10 mm auto iris lens ⁷ | |
| Power Input | 12 VDC +/-10% +/-20% 24 VAC +/-20%, 50/60 Hz | F-Stop | F1.2 – 360 |
| Power Connection | Flying lead or plug | Field of View (H x V) | 94.6° x 68.4° (wide) 28.8° x 21.6° (tele) |
| Operating Temperature (with heater) | -30°C to 50°C (-22°F to 122°F) | 2.6 – 6.0 mm auto iris lens | |
| Operating Temperature (without heater) | -10°C to 50°C (14°F to 122°F) | F-Stop | F1.6 – 360 |
| Humidity | 90% (noncondensing) | Field of View (H x V) | 106.0° x 78.2° (wide) & 47.6° x 35.8° (tele) |
| Storage Temperature | -20° to 60°C (-4° to 140°F) | | |
| Emissions | FCC part 15 Class B EN55022 ICES-003 | | |
| Immunity | EN50130-4 | | |
| Safety | IEC 60950, UL 60950, CSA C22.2 No. 60950 | | |

| BRAND | FINISH | TYPE | LENS | BUBBLE | FORMAT |
|-------|---------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------|
| AD | XX | X | XXXX | X | X |
| | CD = Vandal resistant, White | EH = High resolution | 0309 = 3.0 - 9.0 mm 0922 = 9.0 - 22 mm 2606 = 2.6 - 6.0 mm | | N = NTSC P = PAL |
| AD | CB = Vandal resistant, Black | W = Wide dynamic range T = True Day/Night | 0309 = 3.0 - 9.0 mm 0922 = 9.0 - 22 mm 2606 = 2.6 - 6.0 mm 2910 = 2.9 - 10 mm 0922 = 9.0 - 22 mm | C = Clear T = Tinted | U = Universal N = NTSC P = PAL |

(2) Specified at 178mV (for comparison purposes)
 (3) Specified at 32mV (usable signal level)
 (4) Salt crystalline
 (5) Using a 2.5-6 mm lens at wide angle
 (6) Offered on high resolution and wide dynamic range cameras only
 (7) Offered on True Day-Night cameras only

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