



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header 1

List View

### General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 736617

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0603

Vendor ID: VC0000031069

SO Doc ID: ADJ2000000037

Legal Name: HORIZON INFORMATION SERVICES INC

Published Date: 6/22/20

Alias/DBA:

Close Date: 6/23/20

Total Bid: \$187,168.00

Close Time: 13:30

Response Date: 06/23/2020

Status: Closed

Response Time: 9:43

Solicitation Description: Addendum No. 3 - CCTV Cameras and Install

Total of Header Attachments: 1

Total of All Attachments: 1



Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Security Cameras & Installation				\$187,168.00

Comm Code	Manufacturer	Specification	Model #
46171610			

<b>Extended Description :</b>	Contract Item #1- Lump Sum Price for Camera System and Installation
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Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 21 - Info Technology

Proc Folder: 736617

Doc Description: CCTV Cameras and Install

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-06-05	2020-06-22 13:30:00	CRFQ 0603 ADJ2000000037	1

**BID RECEIVING LOCATION**

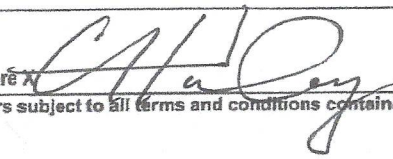
BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

**FOR INFORMATION CONTACT THE BUYER**

Tara Lyle  
 (304) 558-2544  
 tara.l.lyle@wv.gov

Signature  FEIN # 251891381 DATE 6/20/20  
 All offers subject to all terms and conditions contained in this solicitation

**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.

Craig Hasley, VP of Sales  
(Name, Title)

Craig Hasley VP of Sales  
(Printed Name and Title)

1659 E. Suher Rd Glenshaw PA 15116  
(Address)

412 487 7071 412 487 7072  
(Phone Number) / (Fax Number)

CHasley@HorizonIS.com  
(email address)

**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.

Horizon Information Services  
(Company)

Craig Hasley, VP of Sales  
(Authorized Signature) (Representative Name, Title)

Craig Hasley VP of Sales  
(Printed Name and Title of Authorized Representative)

6/17/20  
(Date)

412 487 7071 412 487 7072  
(Phone Number) (Fax Number)

REQUEST FOR QUOTATION  
CRFQ ADJ200000037  
Security CCTV Camera System- Mountaineer Challenge Academy NORTH

13.4. Anyone performing under this Contract will be subject to Agency's security protocol and procedures. All contractor employees, to include subcontractor employees, requiring access to Army installations, facilities, and controlled access areas shall complete AT Level I awareness training within seven (7) calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the Project Manager or to the contracting officer, AT Level I awareness training is available at the following website: <http://jko.iten.mil>

All personnel, equipment, materials, and sub-contractors must be registered with Camp Dawson Security for access to Camp Dawson and will be coordinated through Post Engineering. Failure to coordinate this with Post Engineering will result in personnel being refused access to Camp Dawson. Camp Dawson Post Engineering must be notified at least two (2) days or 48-hours prior to any delivery. Failure to do so will result in delivery delay or being refused access.

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

**14. MISCELLANEOUS:**

14.1. **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: Craig Hasley  
Telephone Number: 412 487 7071  
Fax Number: 412 487 7072  
Email Address: CHasley@Horizonis.Com



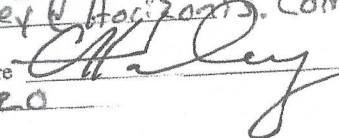
**Exhibit A - Pricing Page**  
**CRFQ ADJ2000000037**

Section	Description	Make and Model	Unit of Measure	Quantity	Unit Price	Extended Cost
15.1.1-15.1.10	Lump Sum Pricing for Cameras and Installation	Auigilon Enterprise CCTV System	LS	1	\$157,168.00	\$157,168.00
<b>TOTAL OVERALL COST (INCLUDES SHIPPING CHARGES)</b>						<b>\$157,168.00</b>

Vendor must identify Make and Model at time of submitting Bid Response. Vendor should provide Product Brochures indicating within the specifications that are equal prior to award.

Vendor Name: Horizon Information Services  
 Address: 1657 E Sutter Rd  
Glenshaw PA 15116

Phone: 412 487 7071  
 Fax: 412 487 7072  
 Email: CHasley@Horizons.com

Authorized Signature:   
 Date: 6/20/20

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** 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: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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: Horizon Information Services Date: 6/20/2020

Authorized Signature: [Signature]

State of Pennsylvania

County of Allegheny, to-wit:

Taken, subscribed, and sworn to before me this 20th day of June, 2020

My Commission expires June 29, 2022

**AFFIX SEAL HERE**

Commonwealth of Pennsylvania - Notary Seal  
Karla A. Bildhauer, Notary Public  
Allegheny County  
My commission expires June 29, 2022  
Commission number 1225952  
Member, Pennsylvania Association of Notaries

**NOTARY PUBLIC**

[Signature: Karla A. Bildhauer]



West Virginia Ethics Commission  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Horizon Information Services Address: 1659 E Sutter Rd Glenshaw PA 15116

Name of Authorized Agent: Craig Hasley Address: 1659 E Sutter Rd Glenshaw PA 15116

Contract Number: CRF00603ADJZ000000037 Contract Description: CCTV Cams & Install

Governmental agency awarding contract: Mountain Challenge Program

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature] Date Signed: 6/20/20

**Notary Verification**

State of Pennsylvania, County of Allegheny:

I, Craig Hasley, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 20th day of June, 2020

[Handwritten Signature]

Notary Public's Signature

**To be completed by State Agency:**  
Date Received by State Agency: \_\_\_\_\_  
Date submitted to Ethics Commission: \_\_\_\_\_  
Governmental agency submitting Disclosure: \_\_\_\_\_

Commonwealth of Pennsylvania - Notary Seal  
Karla A. Bildhauer, Notary Public  
Allegheny County  
My commission expires June 29, 2022  
Commission number 1225952  
Member, Pennsylvania Association of Notaries  
Revised June 8, 2018



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

STATE OF WEST VIRGINIA,

COUNTY OF PRESTON, TO-WIT:

I, Craig A Hasley, after being first duly sworn, depose and state as follows:

1. I am an employee of Horizon Information Services and,  
(Company Name)

2. I do hereby attest that Horizon Information Services  
(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: Craig Hasley

Signature: [Handwritten Signature]

Title: VP of Sales

Company Name: Horizon Information Services

Date: 6-20-2020

Taken, subscribed and sworn to before me this 20th day of June, 2020.

By Commission expires 6/29/2022

(Seal)

Karla A. Bildhauer  
(Notary Public)

Commonwealth of Pennsylvania - Notary Seal  
Karla A. Bildhauer, Notary Public  
Allegheny County  
My commission expires June 29, 2022  
Commission number 1225952  
Member, Pennsylvania Association of Notaries



State of West Virginia  
Purchasing Division

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## CERTIFIED DRUG-FREE WORKPLACE REPORT COVERSHEET

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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: CRF00603 AJSZ000000037  
Contract Purpose: CCTV Cameras and install  
Agency Requesting Work: Maintainer Challenge Program

**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: Horizon Information Services Vendor Telephone: 412 487 7071  
Vendor Address: 1659 S Sutter Rd Vendor Fax: 412 487 7072  
Glenshaw PA 15116 Vendor E-Mail: CHasley@Horizonis.com





# PHILADELPHIA INSURANCE COMPANIES

A Member of the Tokio Marine Group

## BID BOND

KNOW ALL MEN BY THESE PRESENTS: That We, Horizon Information Services, Inc., as Principal, and Philadelphia Indemnity Insurance Company, a corporation organized and existing under the laws of the State of Pennsylvania, and authorized to do business in the State of WV as Surety, are held and firmly bound unto the Mountaineer Challenge Program, as Oblige, in the sum of Ten Percent of Amount Bid DOLLARS (\$ 10% ), lawful money of the United States of America, to the payment of which sum 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 by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that, if the Oblige shall make any award to the Principal for:  
CCTV Camera System Install, Kingwood, WV

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 Oblige 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 with other surety or sureties approved by the Oblige, or if the Principal shall, in case of failure so to do, pay to the Oblige the damages which the Oblige 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.

Signed, sealed and dated this 22nd day of June, 2020.

Horizon Information Services, Inc.

(Principal)

(Seal)

By: \_\_\_\_\_

Philadelphia Indemnity Insurance Company

(Surety)

(Seal)

By: \_\_\_\_\_

Josephine M. Streyle

, Attorney-In-Fact



PHILADELPHIA INDEMNITY INSURANCE COMPANY

One Bala Plaza, Suite 100  
Bala Cynwyd, PA 19004-0950

Power of Attorney

**Surety Bond Number:** Bid Bond  
**Principal:** Horizon Information Services, Inc.  
**Obligee:** Mountaineer Challenge Program

KNOW ALL PERSONS BY THESE PRESENTS: That PHILADELPHIA INDEMNITY INSURANCE COMPANY (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint Josephine M. Streyle its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$25,000,000.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14<sup>th</sup> of November, 2016.

**RESOLVED:** That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

**FURTHER RESOLVED:** That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

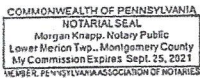
IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27<sup>TH</sup> DAY OF OCTOBER, 2017.



(Seal)

Robert D. O'Leary Jr., President & CEO  
Philadelphia Indemnity Insurance Company

On this 27<sup>th</sup> day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the PHILADELPHIA INDEMNITY INSURANCE COMPANY; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.



(Notary Seal)

Notary Public: Morgan Knapp  
residing at: Bala Cynwyd, PA  
My commission expires: September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and this Power of Attorney issued pursuant thereto on this 27<sup>th</sup> day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY,

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 22nd day of June, 2020.



Edward Sayago, Corporate Secretary  
PHILADELPHIA INDEMNITY INSURANCE COMPANY





**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFO ADJ20000000037**

**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 checked="" 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 |

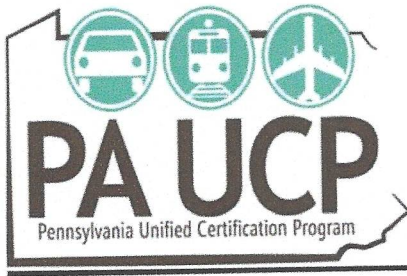
I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information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

Horizon Information Services  
Company  
[Signature]  
Authorized Signature  
6/9/20  
Date

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



4382  
2683  
14286



**Allegheny County**  
Department of Equity and Inclusion  
204 County Office Building  
542 Forbes Avenue  
Pittsburgh, PA 15219  
Phone: (412) 350-4309 Fax: (412) 350-4915  
Email: DEICertification@AlleghenyCounty.US

## Continued Eligibility Letter

June 19, 2020

Lori Miller, CEO  
Horizon Information Services, Inc.  
1659 East Sutter Road  
Glenshaw, PA 15116

RE: Pennsylvania Unified Certification Program  
DBE Continued Eligibility Letter for  
**Horizon Information Services, Inc.**

DBE Certification # : **14286**  
Anniversary Date - Annually, on: **April 23**

Attention Lori Miller:

The Allegheny County Department of Equity and Inclusion, a certifying participant in the Pennsylvania Unified Certification Program (PA UCP), has reviewed your Annual Affidavit as a Disadvantaged Business Enterprise (DBE) and is pleased to inform you that your firm appears to meet the requirements established by the United States Department of Transportation in Title 49, Part 26 of the Code of Federal Regulations. Consequently, your firm can continue as a DBE to participate in the program in the following classification(s) only:

**Voice/data, sound, and communication systems installation**

**NAICs Code(s): 238210**

If you wish to expand your status to include another type of business, you must contact the PA UCP for reevaluation prior to undertaking any projects as a DBE in the expanded area.

In the event of a change in circumstances affecting your ability to meet size, disadvantage, ownership, and control requirements of Part 26 or any material change in the information provided; you must inform the PA UCP by means of a sworn affidavit by the owners, describing in detail the nature of such changes.

### Certifying Participants

**Allegheny County**  
Department of Equity  
and Inclusion

**Philadelphia  
International Airport**  
Office of Business Diversity

**PENNDOT**  
Bureau of Equal Opportunity

**Port Authority of  
Allegheny County**  
Office of Disadvantaged Business  
Enterprise & Diverse Business

**SEPTA**  
DBE Program  
Office

June 19th, 2020

Page 2

You must provide this written "Notice of Change" within 30 days of the occurrence of the change. Failure to do so will be deemed a failure to cooperate.

We would also remind you that the PA UCP reserves the right to review your firm at any time to ensure compliance with the program.

We are pleased to continue to have you as a Disadvantaged Business Enterprise and wish you continued success in acquiring work within the DBE program. If you have any questions, please contact this office at 412-350-4309.

Sincerely,



Lisa L. Edmonds, MCA  
Acting Director

LLE/rb



Send this PDF to Sales at Avigilon (sales@avigilon.com) or your local Avigilon representative to receive a quote on this design.

**Design Comments**

Sales at Avigilon  
+1.604.629.5182  
sales@avigilon.com

Technical Support  
+1.888.281.5182  
support@avigilon.com

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**HD NVRs**

NAME	MODEL	EXPANSIONS	STORAGE	TOTAL DATA	STORAGE TIME	STATUS
Storage 1	HD-NVR4-PRM-96TB-NA	n/a	91.2 TB	375.20 Mbps	30 days 16 hours	Valid
Storage 2	HD-NVR4-PRM-96TB-NA	n/a	91.2 TB	445.09 Mbps	26 days 7 hours	Valid



**HDSM Smart Cameras**

NAME	MODEL	STORAGE	QTY	LENS	FL. (MM)	IMAGE RATE	DAILY RECORDING CYCLE	IMAGE QUALITY	MAX BANDWIDTH	HDSM SMARTCODEC		
										ENABLED	STRENGTH	MIN IMAGE RATE
H4 MH Camera 2	12C-H4A-4MH-360	Storage 1	4	Built-In Lens, 2.8mm, f/1.2					26.56 Mbps			
↳ Head 1					2.8	20	24	Quality 6		X		
↳ Head 2					2.8	20	24	Quality 6		X		
↳ Head 3					2.8	20	24	Quality 6		X		
↳ Head 4					2.8	20	24	Quality 6		X		
Camera 2 (1)	3.0C-H5SL-D1-IR	Storage 1	34	Built-In Lens, 3-9mm, f/1.4, P-Iris, Vari Focal	5.3	30	24	Quality 6	7.91 Mbps	X		
Camera 1	4.0C-H5A-BO2-IR	Storage 2	4	Built-In Lens, 9-22mm, f/1.6, P-Iris, Vari Focal	> max	20	24	Quality 6	6.36 Mbps	X		
Camera 2	3.0C-H5SL-D1-IR	Storage 2	34	Built-In Lens, 3-9mm, f/1.4, P-Iris, Vari Focal	5.3	30	24	Quality 6	7.91 Mbps	X		
H4 MH Camera 1	24C-H4A-3MH-180	Storage 2	8	Built-In Lens, 5.2mm, f/1.8					18.83 Mbps			

↳ Head 1					5.2	12	24		Quality 6		X		
↳ Head 2					5.2	12	24		Quality 6		X		
↳ Head 3					5.2	12	24		Quality 6		X		

**Scene Details**

NAME	MOUNTING HEIGHT (FT)	TARGET HEIGHT (FT)	TARGET DISTANCE (FT)	SCENE WIDTH (FT)	MOUNTING ANGLE	MAXIMUM DISTANCE (FT)	PX/FT
H4 MH Camera 2	8.5						
↳ Head 1		6	16.5	30.5	59.1	56.1	67.1
↳ Head 2		6	16.5	30.5	59.1	56.1	67.1
↳ Head 3		6	16.5	30.5	59.1	56.1	67.1
↳ Head 4		6	16.5	30.5	59.1	56.1	67.1
Camera 2 (1)	8.5	6	16.5	16.8	59.1	56.1	121.6
Camera 1	8.5	6	240	58.7	87.7	816	39.3
Camera 2	8.5	6	16.5	16.8	59.1	56.1	121.6
H4 MH Camera 1	8.5						
↳ Head 1		6	16.5	21.7	64.9	56.1	176.6
↳ Head 2		6	16.5	21.7	64.9	56.1	176.6
↳ Head 3		6	16.5	21.7	64.9	56.1	176.6

**Storage 1**

Model: HD-NVR4-PRM-96TB-NA

Record Times

MODEL	QTY	TOTAL DAYS	FULL DAYS	HALF DAYS	QUARTER DAYS	LOW RES. DAYS
12C-H4A-4MH-360	4	30 days 16 hours	30 days 16 hours			0 days 0 hours
3.0C-H5SL-D1-IR	34	30 days 16 hours	30 days 16 hours			0 days 0 hours



**Storage 2**

Model: HD-NVR4-PRM-96TB-NA

Record Times

MODEL	QTY	TOTAL DAYS	FULL DAYS	HALF DAYS	QUARTER DAYS	LOW RES. DAYS
4.0C-H5A-BO2-IR	4	26 days 7 hours	26 days 7 hours			0 days 0 hours
3.0C-H5SL-D1-IR	34	26 days 7 hours	26 days 7 hours			0 days 0 hours
24C-H4A-3MH-180	8	26 days 7 hours	26 days 7 hours			0 days 0 hours



**Reference Image**



Reference images are captured under ideal conditions. Poor lighting, increased compression, or use of a lower quality lens will affect the quality of the images captured.