

FILED

NOV 09 2022

LESLI PENNY

COUNTY & PROBATE COURT CLERK

MISC. ORDER NO. 22-95

In the County Court of Craighead County, Arkansas

In the matter of awarding bids for the purchase of one (1) server to upgrade the camera system at the Craighead County Detention Facility and Sheriff's Office.

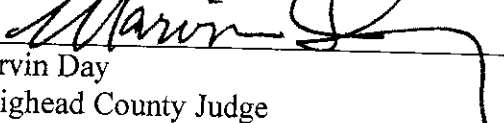
ORDER

Comes before the County Court of Craighead County, Arkansas, the matter of awarding bids for the purchase of one (1) server for the camera system upgrade for interior and exterior cameras at the Craighead County Detention Facility and Sheriff's Office

Bids were advertised and publicly opened in accordance with Arkansas Code 14-22-101 through 14-22-115, concerning purchasing and bidding procedures.

It is therefore, considered, ordered, and adjudged that the best bid of \$47,528.62 be awarded to Gateway Sight and Sound, 1618 Browns Lane Access Road, Jonesboro, AR 72401

Dated this 9th Day of November 2022

Approved: 
Marvin Day
Craighead County Judge

113
344

FROM:

Craighead County Purchasing Department
c/o County Judge's Office
511 Union, Room 119
Jonesboro, AR 72401
Phone 870-933-4500
Fax 870-933-4504

VENDOR'S COPY
PURCHASE ORDER

CRAIGHEAD COUNTY
ARKANSAS

SHOW THIS NO. ON ALL INVOICES,
DELIVERY SLIPS, CASES, BOXES, ETC

PURCHASE ORDER 55494

TO:

GATEWAY STYHT + SOUND
1618 BRUNNEN LANE ACROSS RD
JOHNSBORO, AR 72401

DATE 11-8-22
Req. by: *[Signature]*
Req. No.:
Bid No.: 2022-37
Charge to
Account No.:

Please furnish the following to Craighead County
and be governed by the instructions hereon.

| ITEM | QUANTITY | BRAND, CATALOG NO. AND DESCRIPTION | UNIT PRICE | TOTAL |
|---|----------|--|------------|-------------|
| | 1 | SERVER, ALI 910W, 128 TB, NVRs Premium with MICROSOFT WINDOWS SERVER 2019 L TSC AND ALI 910W CONTROL | | \$47,528.62 |
| All according to Bid Specs in Bid P159 2022-37 | | | | |

TOTAL ►

SHIP TO:

Craighead County Det
901 W FLEETO RD CENTRAL
JOHNSBORO, AR 72401

DEL. PROMISED:

DEL. REQUIRED:

TERMS:

F.O.B.: DESTINATION

PRICING:

I certify that all the above described items
are good order except as noted below:

Signed

CRAIGHEAD COUNTY

By

[Signature]

Purchasing Agent

[illegible]

AFFP

NOTICE TO BIDDERS Craighead C

RECEIVED

OCT 31 2022

FROM
CRAIGHEAD COUNTY
JUDGE'S OFFICE

Affidavit of Publication

STATE OF AR }
COUNTY OF CRAIGHEAD } SS

Matthew Smith, being duly sworn, says:

That he is Classified Director of the Jonesboro Sun, a daily newspaper of general circulation, printed and published in Jonesboro, Craighead County, AR; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

October 26, 2022

NOTICE TO BIDDERS

Craighead County is now accepting bids until 2:00 PM, November 8, 2022, local time, at the Craighead County Judge's office for the following:

Purchase one (1) server for the camera system at Detention Center

Bid specifications may be picked up at the County Judge's office, Craighead County Courthouse Annex, 511 Union St., Suite 119, Jonesboro, Arkansas, Monday through Friday, from 8:00 A.M. until 5:00 P.M.

Bids will be opened at 2:00 PM, November 8, 2022, local time in the County Judge's office.

The County reserves the right to reject any and all bids or any part of any specific bid.

Bid specifications are available on the County Web Site at www.craigheadcounty.org

Al Haines
Purchasing Agent
Craighead County

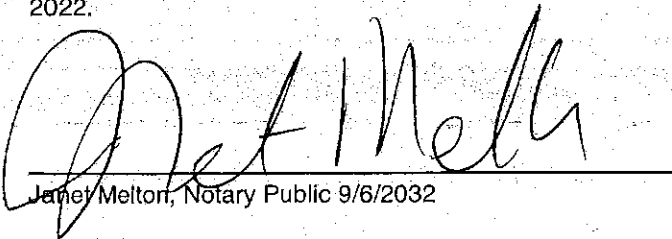
Publisher's Fee: \$ 78.00

That said newspaper was regularly issued and circulated on those dates.

SIGNED:



Subscribed to and sworn to me this 26th day of October 2022.


Janet Melton, Notary Public 9/6/2032

00013656 70503967

JANET MELTON
NOTARY PUBLIC - STATE OF ARKANSAS
CRAIGHEAD COUNTY
My Commission Expires 09-06-2032
Commission No. 12389619

CRAIGHEAD COUNTY JUDGES OFFICE
511 UNION STE 119
JONESBORO, AR 72401

Fund 1000
Department 0418
Line Item 3040

Claim No. _____

Tenard Scan

**CRAIGHEAD COUNTY
GENERAL FUND**

Examined and Allowed in the
Sum of 78,06

and ordered paid out of _____ Dollars
County General Fund

this _____ day of _____, 20 _____

County Judge

Jonesboro Sun
Times Dispatch, Daily Press, Evening Times
PO Box 1200
Paducah, KY 42002-1200

1-00000292

ADVERTISING INVOICE / STATEMENT

1/



*****AUTO**ALL FOR AADC 380
CRAIGHEAD COUNTY JUDGES OFFICE
511 Union St Ste 119
Jonesboro, AR 72401-2863

| BILLING DATE | TERMS OF PAYMENT |
|--------------|------------------|
| 10/30/2022 | Standard Terms |

| BILLED ACCOUNT NO | AGENCY/CLIENT |
|--------------------------------|---------------|
| 00013658 | 00013658 |
| NAME OF AGENCY/CLIENT | |
| CRAIGHEAD COUNTY JUDGES OFFICE | |

| DATE | AD # | TRANS # | DESCRIPTION | INS | UNITS | AMOUNT | TOTAL |
|------------|----------|-----------|-------------------------------------|-----|--------|--------|--------|
| 10/07/2022 | | 401209767 | Balance Forward | | | 74.75 | 74.75 |
| 10/22/2022 | 70500244 | 301265137 | Payment Check 092163 Lockbox Import | | | -74.75 | 0.00 |
| | | | NOTICE TO BIDDERS Craighead Co - | | | 76.05 | 76.05 |
| | | | 124JSD1 Jonesboro Sun - NOTICE TO | 1 | 3.77in | | |
| 10/26/2022 | 70503967 | 301272140 | NOTICE TO BIDDERS Craighead C - | | | 78.00 | 154.05 |
| | | | 124JSD1 Jonesboro Sun - NOTICE TO | 1 | 3.99in | | |

RECEIVED
NOV 03 2022
FROM
CRAIGHEAD COUNTY
JUDGE'S OFFICE

| OCTOBER 2022 | AGING | | | |
|--------------|----------------|-------------|-----------|-----------|
| | September 2022 | August 2022 | July 2022 | June 2022 |
| \$ 154.05 | \$ 0.00 | \$ 0.00 | \$ 0.00 | \$ 0.00 |

TOTAL NET AMOUNT DUE

\$ 154.05

PLEASE RETURN THIS PORTION
WITH YOUR REMITTANCE

If you desire to charge this amount to your credit card, please complete the following information
and return to the address below: [] Visa [] Mastercard [] Discover [] American Express
Acct# _____ Exp Date: _____
Signature _____

| BILLED ACCOUNT NO | BILLED ACCOUNT NAME | AMOUNT DUE |
|-------------------|--------------------------------|------------|
| 124 00013658 | CRAIGHEAD COUNTY JUDGES OFFICE | \$ 154.05 |



| REMIT TO |
|---|
| <p>Jonesboro Sun c/o Paxton Media Group PO Box 1200 Paducah, KY 42002-1200</p> <p>Phone: 270-575-8731 Fax: 270-575-8726</p> |

Payment in full is due upon receipt of the statement. A service charge on all balances over 30 days will be computed by a 'Periodic Rate' of 1-1/2% per month, which is an ANNUAL PERCENTAGE RATE OF 18%, this applies to the previous balance after deducting current payments and credits appearing on your statement. Refunds less than \$10.00 will be refunded electronically, donated to NIE, or collected in cash at the newspaper.

Remittance Advice

000136580000000000015405

Billing Date
10/31/2022

Craighead County Purchasing Department

November 8, 2022

Reference: Bid Package 2022-37

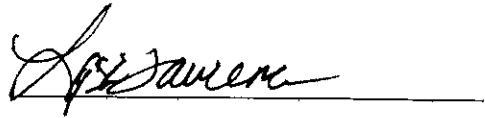
Purchase one server to upgrade camera system at the Craighead County Detention Center and Sheriff's Office.

This is to certify that only one (1) bid was received in reference to bid 2022-37, purchase of server.

A handwritten signature in black ink, appearing to read 'Al Haines', written over a horizontal line.

Al Haines

County Purchasing Agent

A handwritten signature in black ink, appearing to read 'Lisa Lawrence', written over a horizontal line.

Lisa Lawrence

Administrative Assistant
to County Judge

CRAIGHEAD COUNTY
INVITATION TO BID-Not an Order
Craighead County Judge's Office
511 Union St., Suite 119
Jonesboro, Arkansas 72401

PURCHASING OFFICE

BID NO. 2022-37

DATE: October 25, 2022

Sealed bids, subject to the conditions on the reverse hereof, and as may be attached hereto, will be received at this office until 2:00 PM November 8, 2022, local time and then publicly opened, for furnishing the supplies, materials, and/or services as described below.

Bids will be opened November 8, 2022,
2:00 P.M. Local time

F.O.B. Jonesboro, Arkansas

BY: Al Haines

Maximum Delivery or completion time after issuance of Purchase

PURCHASING DIRECTOR

Order or work ordered by County 45 days

| Item # | DESCRIPTION | QUANT | UNIT | UNIT PRICE | AMOUNT |
|--------|--|-------|------|------------|--------|
| 1 | Furnish one (1) server to accommodate the existing camera system at the Craighead County Sheriff's and Detention Center, 901 Willett Road, Jonesboro, AR 72401 according to the attached specifications. | | | | |
| 2 | All pages of this bid package should be returned with the bid package to complete the bid. | | | | |
| 3 | Bid must be signed by authorized company representative. | | | | |
| 4 | Bidder should: A. Clearly define and list warranty information on each item in years. B. Include all labor, delivery charges, training, programming, and any other charges FOB Jonesboro, Arkansas 72401, in bid price. C. Include product literature and specifications with bid. D. All relevant information will be considered when determining best bid for Craighead County. E. Specify cash discounts, if available. F. Note bid number on outside of bid envelope. G. Specify approximate delivery time in days, if awarded bid. H. Successful bidder should have product delivered and invoiced to Craighead County prior to December 31, 2022. I. Bidder should quote same equipment as specified. | | | | |
| 5 | Does bidder meet all equipment specifications? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If no, clearly list and define differences on a separate sheet. | | | | |
| 6 | Bidder should put total bid price on this sheet. Total bid price is \$ <u>47,528.62</u> | | | | |

EXECUTION OF BID

Date 11/4/22

We, the undersigned, have read all the requirements set forth in this bid proposal including specifications, instructions, conditions, and pertinent information regarding the articles being bid on, and we agree to furnish articles at the prices stated.

Arkansas Use Tax Register No. 75512709 - 343

Bidder [Signature] Address 1618 BROWNS LANE ACCESS RD; JONESBORO, AR 72401
(Person Authorized to Sign Bids) Title GENERAL MANAGER

UNSIGNED BIDS WILL BE REJECTED

BIDS ARE SUBJECT TO REJECTION UNLESS SUBMITTED ON THIS FORM

NOTICE TO BIDDERS, SEE REVERSE SIDE OR ATTACHMENTS FOR INSTRUCTIONS AND CONDITIONS.

**CRAIGHEAD COUNTY
JONESBORO, ARKANSAS
CONDITIONS OF BIDDING**

Compliance with the following conditions is necessary for consideration of this bid.

- 1 Signature-This bid must be signed with the firm name and by an authorized officer, employee or agent.
- 2 Sales Tax-Is to be shown in the bid price.
The County is exempt from Arkansas State Sales Tax on road equipment and vehicles. Contractors are to include all costs into the bid price, including applicable taxes.
- 3 Freight and other delivery charges-to destination at designated County facility in the County must be included in bid. Charges may not be added after the bid is opened.
- 4 Discounts-Show rate, total amount, and latest day any discounts will be allowed after receipt of article and invoice, otherwise County will deduct allowed discount when payment is made.
- 5 Firm Price-All prices quoted will remain firm for at least 30 days from date of bid, unless otherwise specified by the County or bidder.
- 6 Tax Exempt-Craighead County is exempt from State sales tax on self propelled equipment and motor vehicles.
Example: Motor graders, excavators, dozers, dump trucks, pickup trucks, etc.
- 7 Identical Bids-In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders, or split in any proportion between the said two or more bidders at discretion of the County.
- 8 Clean up-Complete cleanup and proper disposal of any and all job related items is considered to be a part of any contract let by Craighead County.
- 9 Ambiguity in bid-Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the County.
- 10 Construction
A. When requested, the Contractor is to supply the County with evidence of having and maintaining proper and specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability, and Property Damage. All premiums and cost shall be paid by Contractor. In no way will the County be responsible in case of accident.
B. A Performance Bond equaling the total amount of any bid exceeding \$20,000 must be provided for erection of any public building, public structure, or public improvement (Pursuant to Arkansas Code 18-44-503.)
- 11 The County reserves the right to reject any and all bids, accept in whole or in part, to waive informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the County may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.

INSTRUCTIONS TO BIDDERS

(Please read carefully)

- 1 Submit bid on bid form attached or reverse side of this sheet.
- 2 Address all bids to: Purchasing Director, Craighead County Judge's Office, 511 Union St., Suite 119, Jonesboro, Arkansas 72401 and make certain to indicate identifying bid number on the outside of bid envelope.
- 3 DO NOT include Federal Excise Tax in bid. County will furnish exemption certificate.
- 4 State Manufacturer, Brand Name, Model, etc. for each item bid on.
- 5 Samples of items, when required must be furnished free, and, if not called for within 30 days from date of bid opening, will be disposed of by the County.
- 6 Bids received after stated time will not be considered.
- 7 Be sure and read all conditions and verify amounts before submitting bids. No changes or additions will be allowed after submission.
- 8 Guarantees and warranties should be attached as a part of the bid, as they may be a consideration in awarding contract.
- 9 Delivery or contract completion time is to be shown, as this date may, where time is of the essence, determine the contract award.
- 10 Additional Information may be obtained from the Purchasing Department.

**THE COUNTY RESERVES THE RIGHT TO ACCEPT PART OR ALL OF ANY SPECIFIC BID OR BIDS
AND TO ACCEPT BID WITH OR WITHOUT TRADE-IN, AND REJECT ANY AND ALL BIDS.**

SPECIFICATIONS

These bid specifications are Avigilon specific with no substitutes

This bid is for the Craighead County Sheriff's Office/Detention Center. This bid should include equipment only with no installation or setup. All equipment should be Avigilon equipment, per specifications, that will function flawlessly with all Avigilon equipment currently installed in the county facilities.

Qty. 1 – 128TB (160 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center, includes NEMA 5-15P/C13 & C13/C14 Power Cords

Qty. 1 – SFP+ Transceivers for Short Range (Multi-mode) on server side, NVR5 16-224 TB

Qty. 1 – 1100 W Hot Plug/Swappable Power Supply Kit, NVR5 PRM 96-160TB, NEMA 5-15P/C13 Power Cord

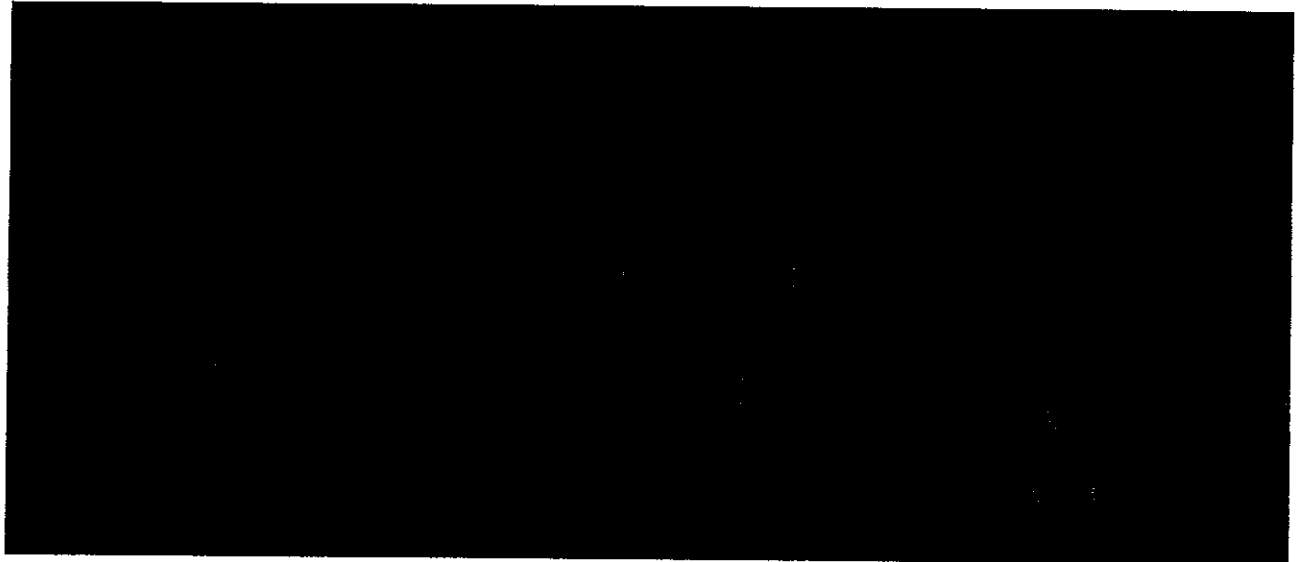
Qty. 1 – Keep Your Drive warranty for AINVR-STD and AINVR-VAL



Gateway Sight & Sound
1618 Browns Lane Access
Rd
Jonesboro, AR 72401
United States

Jake Hayes
jakehayes@gatewaysightsound.com
(870) 935-7490

BID NO. 2022-37



Craighead County

511 Union Street
Jonesboro, Arkansas 72401
United States

erodgers@craigheadcounty.org

Presented By
Gateway Sight & Sound

Quote Number
Q-34668-2

Presented On
Nov 4 2022

Version
2

Project Description

This includes equipment only bid with no installation or setup labor included.

Includes a 5-year keep your drive warranty; see line item below.

See system design attachment and server specification document within.

Current lead time from manufacturer would allow for delivery in 30 days. Subject to changed based on product availability.

NOTE: Keep your Drive Warranty exact part number modified to include proper warranty for the chosen server.

Systems

Avigilon Server

| ITEM | QTY |
|---|-----|
| Avigilon NVR5-PRM-128TB-S19-NA 128TB (160 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center, includes NEMA 5-15P/C13 & C13/C14 Power Cords | 1 |
| Avigilon NVR5-SFPPLUS-SR-A SFP+ Transceivers for Short Range (Multi-mode) on server side, NVR5 16-224 TB | 1 |
| Avigilon NVR5-PSU-1100W-A1 1100 W Hot Plug/Swappable Power Supply Kit, NVR5 PRM 96-160TB, NEMA 5-15P/C13 Power Cord | 1 |
| Avigilon NVR-KYD-WARR-5YR-A 5-yearKeep-Your-DriveWarrantyUpgradeforNVR5STD/PRM16-224TB | 1 |

Summary

| | |
|-------------|-------------|
| Product | \$43,761.68 |
| Labor | \$0.00 |
| Freight | \$47.19 |
| Subtotal | \$43,808.87 |
| Tax | \$3,719.75 |
| Total Price | \$47,528.62 |

Signature

Signature

Date

Server Requirements Estimate

Jake Hayes

Version: 1.0

Design Comments

This design includes 5MP H5SL cameras across the board. They assume a medium detail, low motion level of activity and assume 12 hours of recording for exterior cameras and 18 hours of recording for interior cameras.

Medium detail, low motion is a somewhat busy environment with minimal activity (Example: Construction site, Parking lots, Hospital, Museum)

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 | NVR5-PRM-128TB-- SI9-NA | - | 121.6 TB | 584.02 Mbps | 35 days 11 hours | Valid |

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HDSM Smart Cameras

| Name | Model | Storage | Qty | Lens | FL (mm) | Image Rate | Daily Record- ing Cycle | Image Quality | Max Band- width | HDSM Smartcodec | | |
|------------------|------------------|-----------|-----|--|---------|------------|----------------------------|---------------|--------------------|-----------------|------------------|----------------|
| | | | | | | | | | | Enabled | Strength | Min Image Rate |
| Interior Cameras | 5.0C-H5SL-DO1-IR | Storage 1 | 87 | Built-In Lens, 3.1--8.4mm, f/1.6, P-Iris, Vari Focal | 5.1 | 10 | 18 | Quality 6 | 6.02 Mbps | ✓ | Medium (Default) | × |
| | | | | | | | | | | | | |
| Exterior Cameras | 5.0C-H5SL-DO1-IR | Storage 1 | 10 | Built-In Lens, 3.1--8.4mm, f/1.6, P-Iris, Vari Focal | 5.1 | 10 | 12 | Quality 6 | 6.02 Mbps | ✓ | Medium (Default) | × |
| | | | | | | | | | | | | |

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Storage 1

Model: NV/R5-PRM-128TB-S19-NA

Record Times

| Model | Qty | Total Days | Full Days | Half Days | Quarter Days | Low Res. Days |
|------------------|-----|------------------|------------------|-----------|--------------|----------------|
| 5.0C-H5SL-D01-IR | 87 | 35 days 11 hours | 35 days 11 hours | | | 0 days 0 hours |
| 5.0C-H5SL-D01-IR | 10 | 35 days 11 hours | 35 days 11 hours | | | 0 days 0 hours |

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5TH GENERATION NETWORK VIDEO RECORDERS

16 TB

24 TB

32 TB

48 TB

64 TB

96 TB

128 TB

192 TB

224 TB

252 TB

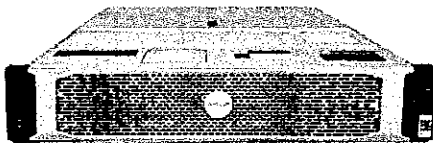
288 TB

360 TB

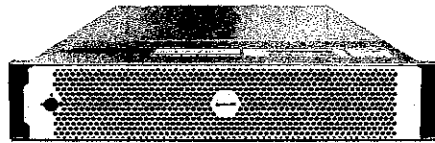
432 TB

5-YEAR WARRANTY

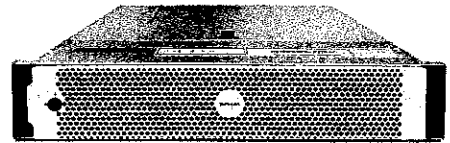
The fifth-generation Avigilon Network Video Recorder (NVR5) delivers unparalleled, high-performance recording, throughput, data availability, and protection for your Avigilon video security system. Featuring the densest storage capacity Avigilon has to offer on a single NVR, security teams can scale up to petabytes of storage at a single location, with up to 432 TB in storage per NVR. All NVR models come optimized with RAID technology, hot-swappable drives, and a five-year Avigilon warranty with dedicated support to increase system uptime and availability.



NVR5 PRM (252-432 TB)



NVR5 PRM (192-224 TB)



NVR5 STD (16-64 TB) and
NVR5 PRM (96-160 TB)

FEATURES

FLEXIBLE & SCALABLE TIER-1 STORAGE

NVR5 offers flexible configurations for security teams to cost-effectively scale up to 432 TB in tier 1 storage capacity and tailor it to their unique retention requirements.



LOWER DEPLOYMENT COSTS WITH QUICK & SIMPLE DEPLOYMENT WITH ACC PRE-CONFIGURED

The NVR5 comes pre-configured with ACC software for secure network video recording and management of Avigilon cameras up to 61 MP resolution.



RESPOND FASTER WITH AI-POWERED ANALYTICS SUPPORT

Security teams can respond faster to critical events with the NVR5's seamless support for Avigilon Appearance Search, Facial Recognition, and LPR technologies.



STRENGTHEN CYBERSECURITY

Designed with cybersecurity in mind, the NVR5 comes with a TPM 2.0 module built-in to support hardware Root of Trust authentication and data encryption.



HIGH DATA AVAILABILITY

Reliable storage with RAID-configured redundancy offers a highly available and resilient system that protects your data. All our STD & PRM models include reliable hard drives with RAID 6/60 redundancy to tolerate up to 2/4 hard drive failures.



INCREASE SYSTEM UPTIME & PRODUCTIVITY

Sites that have connected to the cloud and subscribed to advanced system health¹ can take advantage of system health monitoring to increase system availability, streamline maintenance time and minimize on-site service calls.



RESOLVE TECHNICAL ISSUES EXPEDIENTLY WITH A SINGLE-POINT-OF-CONTACT

In addition to lifetime 24/7 Avigilon telephone technical support for the Avigilon End-to-End solution, five-year onsite parts and repair service is also included with 24/7 4-hour response SLA² for NVR5 PRM, or Next Business Day for NVR5 STD.



EASY RECOVERY SOLUTION

Designed with a separate and redundant array of Solid-State Drives for the operating system (PRM and STD), with a built-in recovery partition to simplify the recovery process, if needed.



¹ On NVR5 PRM 252-432 TB, ACC 7.14.8 or later is required for full advanced system health functionality.

² Warranty coverage and support Service Level Agreement is subject to end user's geographic location. Please refer to <https://www.avigilon.com/support/warranty/avigilon> for more information.

ANALYTICS



AVIGILON APPEARANCE SEARCH™

Quickly locates a specific person or vehicle of interest across an entire site using a sophisticated deep learning AI search engine.

ACC Enterprise required.



FACE RECOGNITION

Detects matches from managed watchlists to alert operators of people of interest. Requires Appearance Search and an additional license.

ACC7-FACE license required



LICENSE PLATE RECOGNITION (LPR)

Significant improvements² in LPR performance compared to the previous generations of NVRs. Works with ACC software for accurate license plate capture at a range of distances and speeds. Requires an additional license.

ACC7-LPR license per channel required.



ACC™ VIDEO MANAGEMENT SOFTWARE

Pre-installed and pre-configured solution for managing multi-megapixel digital IP and analog cameras.

| MODEL | MAXIMUM SUPPORTED CAMERAS BY FEATURE ¹ | | NUMBER OF LPR LANES ² | | | |
|-------------------------------|---|---|----------------------------------|-------------------|--------------------|--------------------|
| | APPEARANCE SEARCH ONLY ³ | FACE RECOGNITION + APPEARANCE SEARCH ³ | 5 FPS (<16 KM/H) | 10 FPS (<48 KM/H) | 20 FPS (<100 KM/H) | 30 FPS (<150 KM/H) |
| NVR5 PRM (252 288 360 432 TB) | 200 | 50 | 20 | 10 | 5 | 3 |
| NVR5 PRM (192 224 TB) | | | 25 | 12 | 6 | 4 |
| NVR5 PRM (96 128 160 TB) | | | 12 | 6 | 3 | 2 |
| NVR5 STD (16 24 32 48 64 TB) | | | 12 | 6 | 3 | 2 |

¹ These performance figures are based on validation testing by Avigilon. Assumes appliance-wide average per camera rates of classified objects leaving field of view:

- H5A Cameras - One every second;
- H4A Cameras - One every two seconds.

Additional licenses may be required. For more information, contact Avigilon Sales.

² Assumes a 3 MP camera with 1 MP license plate scan area and Frames Per Second (FPS) to recognize license plates up to vehicle speeds in Kilometers Per Hour (KM/H). Results may vary according to camera mounting parameters. ACC 7.14.10 or later is required.

³ Requires H5A or H4A cameras. The Avigilon Appearance Search camera support limit does not affect any NVR throughputs for simultaneous recording, playback and live streaming.

SPECIFICATIONS

| SYSTEM | | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
|---|-------------------|---|---|---|---|
| Capacity | | 252 TB 288 TB 360 TB 432 TB | 192 TB 224 TB | 96 TB 128 TB 160 TB | 16 TB 24 TB 32 TB 48 TB 64 TB |
| Avigilon Control Center™ Edition | | Core, Standard and Enterprise compatible | | | |
| Network Video Streaming Performance (10 GbE - Multiple Connections) | Recording Rate: | Up to 1500 Mbps | Up to 1500 Mbps | Up to 1500 Mbps | Up to 800 Mbps ¹ |
| | Playback Rate: | Up to 600 Mbps ² | Up to 600 Mbps ² | Up to 600 Mbps ² | Up to 600 Mbps |
| Network Video Streaming Performance (1 GbE - Multiple Connections) | Recording Rate: | Up to 800 Mbps | Up to 800 Mbps | Up to 700 Mbps | Up to 700 Mbps |
| | Playback Rate: | Up to 800 Mbps | Up to 600 Mbps | Up to 600 Mbps | Up to 600 Mbps |
| Operating System | | Microsoft Windows Server 2019 - 16 core | | | |
| Hard Disk Drive Configuration | Video Data: | RAID 60 Up to 28 × 3.5", hot-swappable | RAID 60 Up to 18 × 3.5", hot-swappable | RAID 6 Up to 12 × 3.5", hot-swappable | RAID 6 Up to 10 × 3.5", hot-swappable |
| | Operating System: | 2 × 480 GB M.2 SSD Drives, RAID 1 | 2 × 240 GB M.2 SSD Drives, RAID 1 | | |
| Recording Storage Capacity | | Up to 504 TB raw; 432 TB effective (RAID 60) | Up to 288 TB raw; 224 TB effective (RAID 60) | Up to 192 TB raw; 160 TB effective (RAID 6) | Up to 80 TB raw; 64 TB effective (RAID 6) |
| Network Interface | | 2 × 10 GbE SFP+ ports ³ 4 × 1 GbE RJ-45 ports | 4 × 10 GbE SFP+ ports ³ 4 × 1 GbE RJ-45 ports | 2 × 10 GbE SFP+ ports ³ (optional for NVR5 STD) 6 × 1 GbE RJ-45 ports | |
| Memory | | 8 × 8 GB DDR4 | 6 × 8 GB DDR4 | 4 × 8 GB DDR4 | 2 × 8 GB DDR4 |
| Processor | | 2 × Intel® 8-core Xeon® | 1 × Intel® 16-core Xeon® | 2 × Intel® 8-core Xeon® | 1 × Intel® 8-core Xeon® |
| Video Outputs | | 1 × VGA | | | |
| Local Viewing | | No | | | |
| Out-of-band Management | | iLO Advanced | iDRAC 9 Enterprise | | |

¹ The maximum recording throughput for STD can be increased by adding a 2nd CPU kit and a 10 GbE Network Card.

² The max playback throughput for PRM can be increased by reducing the recording throughput.

³ Direct Attach Cables (NVR5-SFPPLUS-DA for all NVR5 models) or system-specific SFP+ transceivers (NVR5-SFPPLUS-SR-A for NVR5 16-224 TB, NVR5-SFPPLUS-SR-B for NVR5 ≥ 252 TB) sold separately.

| MECHANICAL | | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
|------------------------|--|--|--|---|---|
| Form Factor | | 2U Rack Mount Chassis | | | |
| Dimensions (L x W x H) | | 872.0 mm × 479.0 mm × 87.5 mm 34.33" × 18.86" × 3.44" | 751.3 mm × 482.0 mm × 86.8 mm 29.58" × 18.98" × 3.42" | 721.6 mm × 482.0 mm × 86.8 mm 28.4" × 18.98" × 3.42" | |
| Weight | | 252 TB: 48 kg (107 lbs) 288 TB: 50 kg (110 lbs) 360 TB: 53 kg (116 lbs) 432 TB: 55 kg (122 lbs) | 192 TB: 32 kg (70 lbs) 224 TB: 33 kg (73 lbs) | 96 TB: 27 kg (60 lbs) 128 TB: 27 kg (60 lbs) 160 TB: 29 kg (63 lbs) | 16 TB: 24 kg (54 lbs) 24 TB: 26 kg (57 lbs) 32 TB: 24 kg (54 lbs) 48 TB: 26 kg (57 lbs) 64 TB: 27 kg (60 lbs) |
| ELECTRICAL | | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
| Power Input | | 100 to 240 VAC, 50/60 Hz, auto-switching | | | |

| ELECTRICAL | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
|-------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
| Power Supply | Dual (1+1) 1000 W redundant | Dual (1+1) 1100 W | 2 × 1100 W Mixed Mode | 800 W Mixed Mode |
| Power Consumption | Maximum 580 W (1978 BTU/h) | Maximum 803 W (2740 BTU/h) | Maximum 789 W (2691 BTU/h) | Maximum 604 W (2061 BTU/h) |
| Power Efficiency | Titanium | | | Platinum |

| ENVIRONMENTAL | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
|-----------------------|---|--|--|------------------------|
| Operating Temperature | 10°C to 35°C (50°F to 95°F) | 10°C to 35°C (50°F to 95°F) | 5°C to 45°C (41 °F to 113°F) | |
| Storage Temperature | -30°C to 60°C (-22°F to 140°F) | -40°C to 65°C (-40°F to 149°F) | | |
| Operating Humidity | 8% to 90% relative humidity with 28°C (82.4°F) max dew point | 10% to 80% relative humidity with 29°C (84.2°F) max dew point | 8% to 95% relative humidity with 27°C (80.6°F) max dew point | |
| Storage Humidity | 5% to 95% RH with 38.7°C (101.7°F) max dew point. Atmosphere must be non-condensing at all times. | 5% to 95% RH with 33°C (91°F) max dew point. Atmosphere must be non-condensing at all times. | 5% to 95% RH with 27°C (80.6°F) max dew point. Atmosphere must be non-condensing at all times. | |
| Operating Vibration | 0.15 Grms at 10 Hz to 300 Hz | 0.26 Grms at 5 Hz to 350 Hz | 0.21 Grms at 5 Hz to 500 Hz | |
| Storage Vibration | 0.5 Grms at 10 Hz to 500 Hz | 1.88 Grms at 10 Hz to 500 Hz | 1.88 Grms at 10 Hz to 500 Hz | |
| Operating Shock | 2 G | 8 G | | |
| Storage Shock | 15 G | 71 G | | |
| Operating Altitude | 3,050 m (10,000 ft) | 3,048 m (10,000 ft) | | |
| Storage Altitude | 9,144 m (30,000 ft) | 12,000 m (39,370 ft) | | |

| CERTIFICATIONS | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
|---------------------------|---|---|-------------------------|--|
| Certifications/Directives | UL, cUL, CE, RCM, BSMI, EAC, KC, NRCS, VCCI, RoHS, WEEE | UL, cUL, CE, LOT9, NRCS, NOM, RCM, EAC, VCCI, BSMI, CCC (STD only), KC, BIS, UKCA | | |
| Safety | UL/CSA/EN/IEC 62368-1 | UL/CSA/IEC/EN 62368-1:2014 (2nd ed) | | |
| Electromagnetic Emissions | CFR Title 47, FCC Part 2, 15 Class A, ICES-003(A), EN 55032 Class A, EN 61000-3-2, EN 61000-3-3 | FCC Title 47 CFR Part 15 Canadian ICES-003(A) Issue 7 EN 55032:2015/CISPR 32:2015 EN 61000-3-2:2014/IEC 61000-3-2:2014 EN 61000-3-3:2013/IEC 61000-3-3:2013 | | |
| Electromagnetic Immunity | EN 55024 | EN 55024:2010 +A1:2015/CISPR 24:2010 +A1:2015 or EN 55035:2017 | | |
| Warranty | 5-year 4-hour mission critical warranty with onsite parts delivery service. | | | 5-year NBD (Next Business Day) with onsite parts delivery service. 4-hour mission critical warranty upgrade available. |

| SUPPLIED ACCESSORIES | | NVR5 PRM (252-432 TB) | NVR5 PRM (192-224 TB) | NVR5 PRM (96-160 TB) | NVR5 STD (16-64 TB) |
|----------------------|--|--------------------------|--|-------------------------|---|
| Rack Rail System | Sliding rail system with cable management arm ¹ | | ReadyRails Sliding Rails with Cable Management Arm | | |
| Bezel | 1, front | | | | |
| Power Cords | 4 total: 2 × C13 / C14, 2 × country variants (from options below) | | | | 2 total: 1 × C13 / C14, 1 × country variant (from options below) |

¹ Supports tool-less mounting in 19"-wide EIA-310-E compliant square hole, unthreaded round-hole 4-post racks, and threaded hole 4-post racks

(NA) NEMA 5-15P / C13



(UK) BS1363 / C13



(EU) SCHUKO / C13



(AU) AS3112 / C13



OUTLINE DIMENSIONS

| [X.X] | INCHES |
|-------|--------|
| X | MM |

NVR5 PRM (252 288 360 432 TB)

FORM FACTOR

2U rack mount chassis

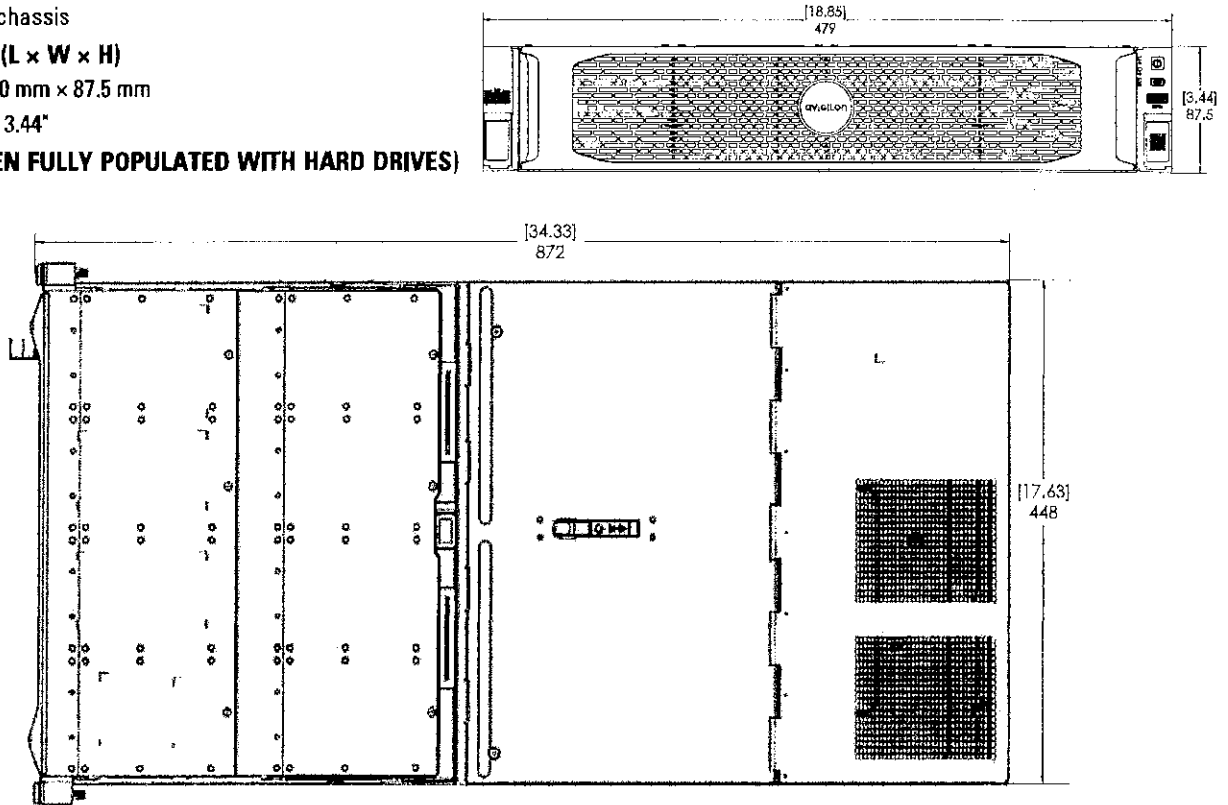
DIMENSIONS (L x W x H)

872.0 mm x 479.0 mm x 87.5 mm

34.33" x 18.86" x 3.44"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

55 kg [122 lbs]



NVR5 PRM (192 224 TB)

FORM FACTOR

2U rack mount chassis

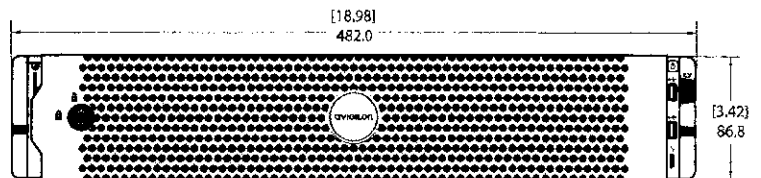
DIMENSIONS (L x W x H)

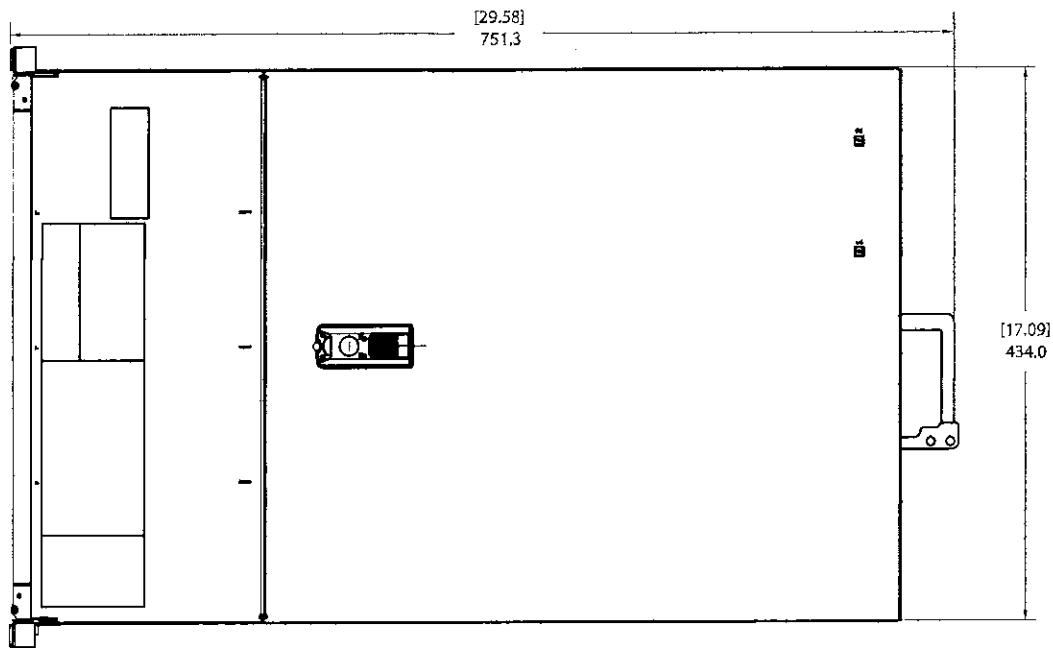
751.3 mm x 482.0 mm x 86.8 mm

29.58" x 18.98" x 3.42"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

33.1 kg [72.91 lbs]





NVR5 STD (16 24 32 48 64 TB) & NVR5 PRM (96 128 160 TB)

FORM FACTOR

2U rack mount chassis

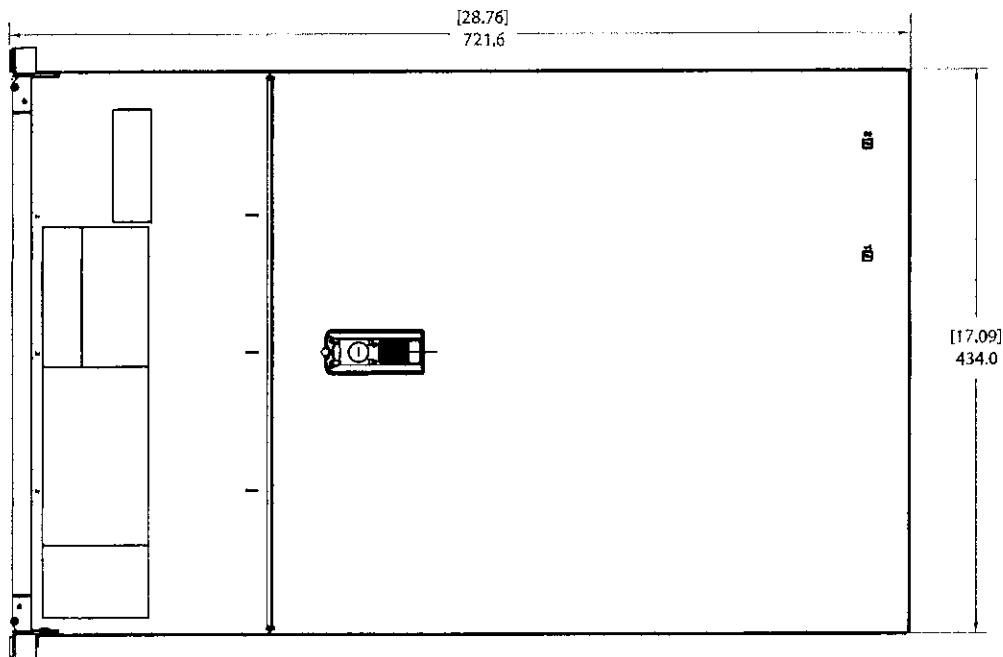
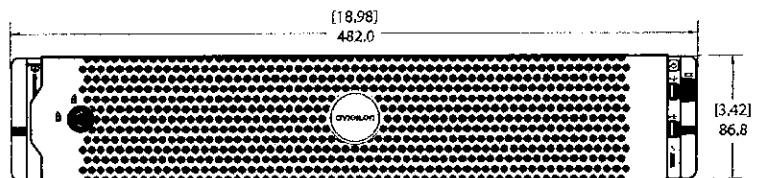
DIMENSIONS (L x W x H)

721.6 mm x 482.0 mm x 86.8 mm

28.4" x 18.98" x 3.42"

WEIGHT (WHEN FULLY POPULATED WITH HARD DRIVES)

28.76 kg [63.40 lbs]



ORDERING INFORMATION

| NVR5 | |
|--------------------|--|
| NVR5-STD-16TB-W10 | 16 TB (24 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center |
| NVR5-STD-16TB-S19 | 16 TB (24 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-STD-24TB-W10 | 24 TB (32 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center |
| NVR5-STD-24TB-S19 | 24 TB (32 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-STD-32TB-W10 | 32 TB (48 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center |
| NVR5-STD-32TB-S19 | 32 TB (48 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-STD-48TB-W10 | 48 TB (64 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center |
| NVR5-STD-48TB-S19 | 48 TB (64 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-STD-64TB-W10 | 64 TB (80 TB Raw) NVR5 Standard with Microsoft Windows 10 v1809 LTSC and Avigilon Control Center |
| NVR5-STD-64TB-S19 | 64 TB (80 TB Raw) NVR5 Standard with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-96TB-S19 | 96 TB (120 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-128TB-S19 | 128 TB (160 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-160TB-S19 | 160 TB (192 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-192TB-S19 | 192 TB (256 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-224TB-S19 | 224 TB (288 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-252TB-S19 | 252 TB (324 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-288TB-S19 | 288 TB (360 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-360TB-S19 | 360 TB (432 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |
| NVR5-PRM-432TB-S19 | 432 TB (504 TB Raw) NVR5 Premium with Microsoft Windows Server 2019 LTSC and Avigilon Control Center |

Avigilon Control Center licenses must be purchased separately.
 Avigilon Appearance Search and facial recognition requires Enterprise version of the ACC software.

ACCESSORIES (NVR5 PRM 252-432 TB)

| | |
|-------------------------|--|
| NVR5-SFPPLUS-DA | 3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable |
| HD-NVR4-SFPPLUS-DA | 3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable |
| NVR5-SFPPLUS-SR-B | SFP+ Transceivers for Short Range (Multi-mode) on server side, NVR5 >= 252 TB |
| NVR5-SFPPLUS-LR-B | SFP+ Transceivers for Long Range (Single-mode) between SAN switches, NVR5 >= 252 TB |
| NVR5-10GBASET-B | Network Card, QP 10 G-Base-T NVR5 PRM >= 252 TB |
| NVR5-RAM-16GB-B | RAM Upgrade Kit for 1 CPU Processor Only, 2 x 8 GB DDR4 3200 MT/s DIMMs, NVR5 PRM >= 252 TB |
| NVR5-PSU-1000W | 1000 W Flex Slot Titanium Hot Plug/Swappable Power Supply Kit, NVR5 PRM >= 252 TB |
| NVR5-HDDS-INT-18TB | Spare hard drive, 18 TB, internal bay, compatible with NVR5 PRM >= 252 TB |
| NVR5-HDDS-HOT-18TB | Spare hard drive, 18 TB, front/rear bay, compatible with NVR5 PRM >= 252 TB |
| AVA-HED1-NVR5-CONNECT-B | AVA Connectivity Kit for Direct Attachment of a NVR5 PRM >= 252 TB |
| AVA-SAN-CONNECT-1 | AVA Head Unit Connectivity Kit, includes 1 x transceiver and fiber optic cable for SAN networking |
| AVA-SAN-CONNECT-8 | AVA Head Unit Connectivity Kit, includes 8 x transceivers and fiber optic cables for SAN networking with two network switches |
| NVR5-AVA-SAN-CONNECT-B | Connectivity Kit for AVA SAN networking, compatible with NVR5 PRM >= 252 TB (excluding AVA Transceiver and Fiber Optic Cables included in AVA-HED1-NVR5-CONNECT-B) |
| NVR-KYD-WARR-5YR-B | 5-year Keep-Your-Drive Warranty Upgrade for NVR5 PRM >= 252 TB |

ACCESSORIES (NVR5 STD/PRM 16-224 TB)

| | |
|--------------------|---|
| NVR5-SFPPLUS-DA | 3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable |
| HD-NVR4-SFPPLUS-DA | 3 m (10 ft) SFP+ 10 GbE Twinax Direct Attach cable |
| NVR4X-SFPPLUS-SR | SFP+ Transceivers for Short Range (Multi-mode) on server side |

ACCESSORIES (NVR5 STD/PRM 16-224 TB)

| | |
|-------------------------|--|
| NVR5-SFPPLUS-SR-A | SFP+ Transceivers for Short Range (Multi-mode) on server side, NVR5 16-224 TB |
| NVR5-SFPPLUS-LR-A | SFP+ Transceivers for Long Range (Single-mode) between SAN switches, NVR5 16-224 TB |
| NVR5-STD-10GBE | Network Card, DP 10 GbE SFP+ NVR5 STD 16-64 TB |
| NVR5-10GBASET-A1 | Network Card, QP 10 G-Base-T NVR5 STD/PRM 16-160 TB (excluding 2nd CPU for NVR5 STD) |
| NVR5-10GBASET-A2 | Network Card, QP 10 G-Base-T NVR5 PRM 192-224 TB |
| NVR5-RAM-16GB-A | RAM Upgrade Kit for 1 CPU Processor Only, 2 x 8 GB DDR4 3200 MT/s DIMMs, NVR5 STD/PRM 16-224 TB |
| NVR5-STD-2NDCPU | 2nd CPU Upgrade Kit, 2 x 8 GB DDR4 3200 MT/s DIMMs, NVR5 STD 16-64 TB |
| NVR5-PRM-2NDCPU | 2nd CPU Upgrade Kit, 6 x 8 GB DDR4 3200 MT/s DIMMs, NVR5 PRM 192-224 TB |
| NVR5-PSU-800W | 800 W Hot Plug/Swappable Power Supply Kit, NVR5 STD 16-64 TB |
| NVR5-PSU-1100W-A1 | 1100 W Hot Plug/Swappable Power Supply Kit, NVR5 PRM 96-160 TB |
| NVR5-PSU-1100W-A2 | 1100 W Hot Plug/Swappable Power Supply Kit, NVR5 PRM 192-224 TB |
| NVR5-HDD-HOT-4TB | Spare hard drive, 4 TB, front/rear bay, compatible with NVR5 STD 16-24 TB |
| NVR5-HDD-HOT-8TB | Spare hard drive, 8 TB, front/rear bay, compatible with NVR5 STD 32-64 TB |
| NVR5-HDDS-HOT-12TB | Spare hard drive, 12 TB, front/rear bay, compatible with NVR PRM 96 TB |
| NVR5-HDDS-INT-16TB | Spare hard drive, 16 TB, internal bay, compatible with NVR5 PRM 192-224 TB |
| NVR5-HDDS-HOT-16TB-A1 | Spare hard drive, 16 TB, front/rear bay, compatible with NVR5 PRM 128-160 TB |
| NVR5-HDDS-HOT-16TB-A2 | Spare hard drive, 16 TB, front/rear bay, compatible with NVR5 PRM 192-224 TB |
| AVA-HED1-NVR5-CONNECT-A | AVA Connectivity Kit for Direct Attachment of a NVR5 STD/PRM <= 224 TB (excluding 2nd CPU for NVR5 STD) |
| AVA-SAN-CONNECT-1 | AVA Head Unit Connectivity Kit, includes 1 x transceiver and fiber optic cable for SAN networking |
| AVA-SAN-CONNECT-8 | AVA Head Unit Connectivity Kit, includes 8 x transceivers and fiber optic cables for SAN networking with two network switches |
| NVR5-AVA-SAN-CONNECT-A | Connectivity Kit for AVA SAN networking, compatible with NVR5 STD/PRM <= 224 TB (excluding 2nd CPU for NVR5 STD as well as AVA Transceiver and Fiber Optic Cables included in AVA-HED1-NVR5-CONNECT-A) |
| NVR-KYD-WARR-5YR-A | 5-year Keep-Your-Drive Warranty Upgrade for NVR5 STD/PRM 16-224 TB |
| NVR5-STD-WARR-5Y4HMC | 5-year 4-Hour-Mission-Critical Warranty Upgrade for NVR5 STD 16-64 TB |

SUPPORT

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support.



AVIGILON™

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