

exacqVision A-Series Hybrid and IP Network Video Recorders



Key Features

- Store your video and data longer with hard drive configurations up to 80 TB
- 550 Mbps of continuously streaming video ensures surveillance vigilance
- Compatible with Illustra and thousands of other IP camera models, making it easy to find the right camera
- Solid state drives and optional RAID 5 provides uninterrupted operation
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- Pre-loaded with exacqVision Professional VMS software for out-of-box simplicity
- Enhance security through 3rd party integrations

Incredible Flexibility

In demanding environments with intense storage needs and no tolerance for system downtime, A-Series Network Video Recorders (NVR) are in a class of their own. Whether you have hundreds of IP cameras spread across multiple locations or are migrating aging systems to a mix of IP and analog, A-Series offers the ultimate in flexibility and scalability, by supporting up to 64 IP and 64 analog cameras.

Reliable Security, Easy Setup

exacqVision A-Series is a versatile, easy to setup and easy to use surveillance solution, ideal for small businesses or large, expansive enterprises. The recorder is pre-loaded with exacqVision Professional video management system (VMS) software and allows for quick camera setup using EasyConnect. Simply plug in cameras (64 IP and 64 analog) and use the exacqVision Client to automatically find, connect and begin recording.

View Video Anywhere, Anytime

Along with the free client viewing software, exacqVision offers a free mobile app, giving users the ability to view their video and data on the go. Exacq Mobile, available for iOS and Android devices, gives users peace of mind, knowing they can always keep an eye on their business.

Front-Accessible Drive Simplicity

Performing system maintenance has never been easier. On a front load A-series system, the eight conveniently located storage bays make it easy to service the drives or add storage, ensuring the system can handle the demands of high megapixel IP cameras for years to come.

Uninterrupted Operation

To protect system data while delivering the highest throughput, retention and availability, A-Series recorders house the operating system on a separate, solid-state drive.

The continuous-duty hard drives are optimized to withstand vibration and heat and are separate from video storage volumes to protect essential video. Coupled with optional RAID 5 configurations, A-Series servers ensure uninterrupted operation and video preservation in the event of drive failure.

Enhance Security and Intelligence through Integrations

Add the power of tested and certified video analytics, access control, point-of-sale applications and more for enhanced security and business intelligence. All installed on one A-Series NVR, the integrated systems combine to provide a holistic solution that can address any security challenge without taking up additional rack space.

Safeguard Against Cyber Attacks Across Devices

exacqVision A-Series NVRs are NDAA-compliant and have been designed to be resilient against cyber threats. Our A-Series recorders are gated, analyzed, tested, and required to meet or exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program. This holistic approach to cyber protection is aimed at providing peace of mind to our customers. Our security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

Video Management System (VMS) Software

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

Specifications

| | 2U | 4U | Desktop | Front-Accessible |
|---------------------------------------|--|---|---|---|
| Analog Settings | | | | |
| Analog Inputs (for Hybrid models) | 16 (looping)/32 (looping) | 16 (looping)/32(looping)/48/64 | 8/16/32 | 16 (looping)/32 |
| Compression | H.264, MJPEG | | | |
| Analog Frame Rate (for Hybrid models) | 480/960 (NTSC) 400/800 (PAL) | 480/960/1440/1920 (NTSC) 400/800/1200/1600 (PAL) | 240/480/960 (NTSC) 200/400/800 (PAL) | 480/960 (NTSC) 400/800 (PAL) |
| Alarm Inputs (for Hybrid models) | 16 TTL | 16 TTL | Optional with USB I/O Module | 16 TTL |
| Alarm Outputs (for Hybrid models) | 15 TTL & 1 relay | 15 TTL & 1 relay | Optional with USB I/O Module | 15 TTL & 1 relay |
| Analog Outputs (for Hybrid models) | 2/2 | 2/2/4/4 | 1/2/2 | 2/2 |
| Audio Inputs (for Hybrid models) | 16 | 16 | 8/16/32 | 16 |
| IP Settings | | | | |
| Maximum IP Cameras | 64 | | | |
| Included IP Licenses | NVR = 4 IP licenses; Hybrid = 8 IP licenses (only 4 available with 8-channel desktop) | | | |
| Server | | | | |
| Pre-Loaded VMS Software | exacqVision Professional (standard), Enterprise (optional) | | | |
| Typical Video Storage Rate | 300 Mbps (Windows) 450 Mbps (Linux) | 350 Mbps (Windows) 550 Mbps (Linux) | 250 Mbps (Windows) 300 Mbps (Linux) | Hybrid: 300 Mbps (Windows);450 Mbps (Linux) IP server: 350 Mbps (Windows);550 Mbps (Linux) |
| Local Client Display Rate (fps) | 700@HD resolution (Windows) 900@HD resolution (Linux) 1800@analog resolution | | | |
| Maximum Hard Drives | 3 | 8 | 2 | 8 |
| Maximum Storage | 30 TB | 80 TB (RAID 5 optional) | 20 TB | 80 TB (RAID 5 optional) |
| Monitor Output | Most systems: 1 DisplayPort + 1 HDMI + 1 DVI-D + 1 VGA For 4U Hybrid systems and systems with certain upgrade options: 1 HDMI + 1 DVI-D + 1 VGA | | | |

| | | | | |
|-----------------------------|--|--|---|--|
| Operating System | Windows 10 or Ubuntu Linux 18.04, Windows Server 2019 (Optional) | | | |
| Operating System Location | 128 GB SSD | 128 GB SSD (RAID 1 optional) | 128 GB SSD | 128 GB SSD (RAID 1 optional) |
| CPU | Gen 7 Intel Core i3, Intel Core i5 or i7 (optional) | | | |
| RAM | 8 GB, 16 GB (optional) | | | |
| NIC | 2, 4 (optional on all IP servers and 4U Hybrids) | | | |
| USB | 4 x USB 2.0, 2 x USB 3.0 | | | |
| DVD | External (optional) | External (optional) | External (optional) | External (optional) |
| Audio Outputs | 1 | | | |
| Keyboard & Mouse | Included | | | |
| General | | | | |
| Dimensions (D x W x H) | 21.25" x 16.75" x 3.5" 54.7 x 42.6 x 8.9 cm | 28" x 16.75" x 7" 71.2 x 42.6 x 17.8 cm | 5" x 15" x 11.75" 12.7 x 38.1 x 29.85 cm | 24" x 17" x 3.5" 60.96 x 43.18 x 8.9 cm |
| Weight | 27 - 31 lbs. 12.3 - 14.1 kg | 44 - 60 lbs. 20 - 27.3 kg | 18.5 - 22 lbs. 8.4 - 10 kg | 34 - 50 lbs. 15.4 x 22.7 kg |
| Regulatory | CE, FCC, cULus, UL Listed | | | |
| Power Supply | Single | Single (dual optional) | Single | Single (dual optional) |
| IP Systems Power & Heat | 160 Watts/540 BTU/h (Max) | 240 Watts/790 BTU/h (Max) | 150 Watts/500 BTU/h (Max) | 240 Watts/790 BTU/h (Max) |
| | 110 Watts/370 BTU/h (Typical) | 140 Watts/470 BTU/h (Typical) | 110 Watts/370 BTU/h (Typical) | 140 Watts/470 BTU/h (Typical) |
| Hybrid Systems Power & Heat | 170 Watts/570 BTU/h (Max) | 280 Watts/940 BTU/h (Max) | 170 Watts/570 BTU/h (Max) | 280 Watts/940 BTU/h (Max) |
| | 120 Watts/400 BTU/h (Typical) | 150 Watts/500 BTU/h (Typical) | 120 Watts/400 BTU/h (Typical) | 150 Watts/500 BTU/h (Typical) |
| Input Voltage | 120/240 VAC | 120/240 VAC | 120/240 VAC | 120/240 VAC |
| | auto-sensing | auto-sensing | auto-sensing | auto-sensing |

Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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