



VideoEdge Rack Mount Network Video Recorder



Key Features

- 1 Gbps recording throughput
- Support up to 128 IP cameras
- Next business day on-site Gold-level technical support
- RAID or JBOD storage configurations up to 168TB
- Enterprise-class hard drives
- Front-accessible storage drives can be hot-swapped while recording
- Redundant power supplies
- Redundant (RAID 1) OS/ Application Drive
- IP camera auto discovery allows for quick system setup
- Support for Virtual IO on select cameras

A Solution That Protects Your Business and Helps it Grow

When you combine the powerful capabilities of victor with the intelligence of VideoEdge NVRs you reach new heights in video management with actionable insights to save time, money and lives. Save administrator resources with powerful features like person-based intelligent search, narrowing down search time from minutes to seconds and gain the upper hand against potential threats. Leveraging high-performance smart video searching, video intelligence, and case management along with an extensive feature set, users gain greater situational awareness.

Maximize Storage Resources with High-Bandwidth Recording

The VideoEdge Rack Mount NVR is the most powerful IP recorder in the VideoEdge product line. This NVR is ideally suited for large camera deployments where performance is paramount to operations. Reliability is built in to the Rack Mount with a redundant power supply. In the case of a power outage, the NVR is able to retain recorded video to be reviewed later, and addresses strict backup requirements.

Improve Incident Response and Safety with Intelligent Designs and AI Features

Once added to the system, powerful AI and intelligent video analytic features such as person-based intelligent search, area occupancy, crowd counting, object classification and more are combined and integrated with the victor and VideoEdge solution to strengthen operational efficiency and effectiveness. By simply allocating a license to a camera, the system will immediately begin collecting behavioral metadata that can be leveraged for reporting key performance indicators (KPIs) and trigger real-time alarms. Detect suspicious objects and abnormal behavior to identify trends that help mitigate threats, and pinpoint exact location of alarms on maps to arm security teams with life-saving details. With the powerful, automated and forensic search capabilities powered by Tyco AI, victor and VideoEdge users are able to save time when minutes matter.

Additional tools that help with both live streaming and forensic search include smart streaming and smart search. Smart streaming reduces client hardware requirements while viewing more cameras simultaneously without increasing bandwidth usage. Smart search finds specific video clips based on metadata from behaviors, analytics, and event details within a forensic region of interest. VideoEdge® TrickleStor provides cost-effective redundancy by storing video on select Illustra cameras when network connectivity to the NVR is lost. Finally, VideoEdge NVRs are all ONVIF Profile S conformant for increased camera compatibility.

Ensure Reliability and Business Continuity with a Cybersecurity Program

VideoEdge NVRs have been designed to be resilient against cyber threats. This solution includes a security audit page that allows administrators to quickly determine if the proper levels of protection are applied. The VideoEdge NVRs adhere to the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program. The 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.

Hardware Specifications

Specification	Description
Camera Type	IP
Video Recording Throughput	1 Gbps
Max # of Cameras	128 ¹
Operating System	VideoEdge OS built on openSUSE Linux
OS Drive	2x 480GB SSD SATA (RAID1)
Network Interface	2 x 10 GigE NICs; 2 x 1 GigE NICs
RAID Controller	Yes; PERC H730P
Available Video Storage	8, 16, 36, 40, 48, 64, 72, 88, 120, 168 TB
Video Storage Drives	up to 16, with 12 front-facing and 4 internal
External Storage	iSCSI, Fiber (HBA Adapter Kit required)
USB Ports	Front: 2 x USB 2.0 Back: 2 x USB 3.0
Power Supply	Dual, 750W, 100~240VAC
Redundant Power Supply	Yes
CPU/Slots	Single CPU (Default), Dual CPU Slots
Hardware Support	Next business day on-site Gold-level technical support

¹ Up to 128 simultaneous channels set to medium sensitivity to generate the motion detection meta-data. Stream parameters vary greatly - Refer to Tyco | American Dynamics Resource Estimator www.americandynamics.net/Calculators/Tyco-American-Dynamics-Resources-Estimator.xlsx and Storage Calculator <https://www.americandynamics.net/Calculators/ipconfig/indexhtml> to best determine server and storage.

Max BTU	1908
Monitor Interface	1 VGA
Max. Digital Monitors	1
VideoEdge Client	No
Dimensions (W x H x D)	19 x 3.43 x 29.75 in (48.3 x 8.7 x 75.6 cm)
Included Accessories	Rack Mount Ears, Rack Mount Rails, USB Mouse and Keyboard
Regulatory ²	Safety: UL Listed (US+Canada), (UL/IEC/EN60950-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR22, EN61000-3-2, 3-3) Security immunity (EN55024) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale.

² Information is qualified by a third-party manufacturer responsible for regulatory. For EU EMC compliance the product has not been assessed as a security product. For security critical applications additional measures may need to be taken to avoid functional degradation from electrical interference.



Ordering Information

Model Numbers	Description
VideoEdge Rack Mount NVR Server	
ADVER168R5DJ	VideoEdge Rack Mount NVR, 168 TB RAID 5, (192 total), (2) 1 Gb NIC, (2) 10 Gb NIC, 2 Storage Sets, Redundant PS
ADVER120R5DJ	VideoEdge Rack Mount NVR, 120 TB Raid 5, (144 total), (2) 1 Gb NIC, (2) 10 Gb NIC, 2 Storage Sets, Redundant PS
ADVER88R5DJ	VideoEdge Rack Mount NVR, 88 TB RAID 5, (96 Total), (2) 1 GB NIC, (2) 10 Gb NIC, Redundant PS
ADVER72R5DJ	VideoEdge Rack Mount NVR, 72 TB RAID 5, (80 Total) (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS
ADVER64R5DJ	VideoEdge Rack Mount NVR, 64 TB RAID 5, (72 Total), (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS
ADVER48R5DJ	VideoEdge Rack Mount NVR, 48 TB RAID 5 (60 total), (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS

Model Numbers	Description
ADVER40R5DJ	VideoEdge Rack Mount NVR, 40 TB RAID 5 (48 total), (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS
ADVER36R5DJ	VideoEdge Rack Mount NVR, 36 TB RAID 5 (48 total), (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS
ADVER16R5DJ	VideoEdge Rack Mount NVR, 16 TB RAID 5 (24 total), (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS
ADVER08R0DJ	VideoEdge Rack Mount NVR, 8 TB RAID 0, (2) 1 Gb NIC, (2) 10 Gb NIC, Redundant PS
VideoEdge Rack Mount NVR HD Kits	
ADVE740HD12TBI	VideoEdge Rackmount NVR (R740), 12 TB Internal HD Kit
ADVE740HD12TBT	VideoEdge Rackmount NVR (R740), 12 TB Hot Plug HD Kit
ADVE740HD08TBT	VideoEdge Rack Mount NVR (R740), 8 TB Hot Plug HD Kit
VideoEdge Rack Mount NVR Accessories	
ADVEFHBA730	VideoEdge Rack Mount NVR Fiber HBA Adapter Kit

Camera Connection Licenses

Model Numbers	Description
ADVEC01*	VideoEdge NVR Add-on 1 IP Camera License
ADVC-CENTLIC	victor Professional Central License Management for VideoEdge
ADVC-VECAM*	victor Professional Centrally Managed VideoEdge IP Camera Connection License - Single Camera License

*Not required with Illustra Pro cameras

For analytic ordering information, see Video Intelligence, Facial Biometric and License Plate Recognition data sheets

Tyco American Dynamics victor VMS and VideoEdge Recorders are sold, serviced and supported by a network of Certified Installers. For specific information regarding Certification and Training requirements please consult your local sales representative.

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.

For additional information, please visit www.americandynamics.net or follow us on Facebook, Twitter, and LinkedIn.

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