

VideoEdge Rack Mount Network Video Recorder



Key Features

- Support up to 128 IP cameras
- 1 Gbps recording throughput to disk
- Next business day on-site Gold-level technical support
- RAID or JBOD storage configurations up to 140TB
- 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

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. Leveraging high-performance smart video searching, video intelligence, and case management along with an extensive feature set, users gain greater situation awareness and save administrator resources.

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 with Intelligent Designs

Once added to the system, intelligent video analytics are bundled into VideoEdge NVRs and integrated with victor VMS software to greatly improve operational efficiency and decision-making data. By simply allocating an analytics license to a camera, the NVR will immediately begin collecting behavioral metadata that can be leveraged for reporting key performance indicators 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.

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 Tyco Cyber Protection 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
Max # of Cameras	128 ¹
Operating System	VideoEdge OS built on openSUSE Linux
OS Drive	Redundant 1 TB (RAID 1)
Network Interface	2 x 10 GigE NiCs; 2 x 1 GigE NiCs
RAID Controller	Yes; PERC H730p
Available Video Storage	8, 16, 30, 40, 50, 64, 72, 88, 100, 140 TB
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
Max BTU	1908
Monitor Interface	1 VGA
Max. Digital Monitors	1
VideoEdge Client	No
Video Recording Throughput	1 Gbps
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	Rackmount Ears, Rackmount Rails, USB Mouse and Keyboard Safety: UL listed (US+Canada), (UL/IEC/EN60950-1)
Regulatory ²	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.

¹ Up to 128 simultaneous channels set to medium sensitivity to generate the motion detection meta-data.

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	
ADVER08R0DJ	VideoEdge Rack Mount NVR, 8TB RAID0, 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER16R5DJ	VideoEdge Rack Mount NVR, 16TB RAID5 (24 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER30R5DJ	VideoEdge Rack Mount NVR, 30TB RAID5 (40 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER40R5DJ	VideoEdge Rack Mount NVR, 40TB RAID5 (48 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER50R5DJ	VideoEdge Rack Mount NVR, 50TB RAID5 (60 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER64R5DJ	VideoEdge Rack Mount NVR, 64TB RAID5 (72 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER72R5DJ	VideoEdge Rack Mount NVR, 72TB RAID5 (80 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER88R5DJ	VideoEdge Rack Mount NVR, 88TB RAID5 (96 total), 2 x 10GbE NIC; 2 x 1GbE NIC, Redundant PS
ADVER100R5DJ	VideoEdge Rack Mount NVR, 100TB RAID5, (120 total), 2 x 10GbE NIC; 2 x 1GbE NIC, 2 Storage Sets, Redundant PS
ADVER140R5DJ	VideoEdge Rack Mount NVR, 140TB RAID5, (160 total), 2 x 10GbE NIC; 2 x 1GbE NIC, 2 Storage Sets, Redundant PS
VideoEdge Rack Mount NVR HD Kits	
ADVE730HD06TBI	Compatible with VideoEdge Rack Mount NVR Server, 6 TB Internal HD Kit
ADVE730HD06TBT	Compatible with VideoEdge Rack Mount NVR Server, 6 TB Hot Plug HD Kit
ADVE740HD08TBT	Compatible with VideoEdge Rack Mount NVR Server, 8 TB Hot Plug HD Kit
ADVE740HD10TBT	Compatible with VideoEdge rack Mount NVR Server, 10 TB Hot Plug HD Kit
ADVE740HD10TBI	Compatible with VideoEdge Rack Mount NVR Server, 10TB Internal HD Kit
VideoEdge Rack Mount NVR Accessories	
ADVEFHBA730	VideoEdge Rack Mount NVR Server, Fiber HBA Adapter Kit

Camera Connection Licenses

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

*Not required with Illustra Pro cameras

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

Johnson Controls

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