



American Dynamics VideoEdge 2U Network Video Recorder



Key Features

- Support up to 64 IP cameras
- 300 Mbps recording throughput to disc
- RAID or JBOD storage configurations up to 50TB
- Enterprise-class hard drives
- Redundant power supply
- Front-accessible storage drives can be hot-swapped while recording
- 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.

Manage Dozens of Cameras at Full Frame and Resolution Rates

The VideoEdge 2U Network Video Recorder (NVR) offers a powerful recording solution to meet demanding requirements. Video is recorded in RAID or JBOD storage configurations in front-accessible drives. The 2U NVR also comes equipped with a redundant power supply for increased reliability. VideoEdge NVRs easily deploy cameras with an advanced open architecture and simple design, adding and reassigning licenses at any time.

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	64
Operating System	VideoEdge OS built on openSUSE Linux
OS Drive	Single 500 GB
Network Interface	4 x 1 GigE NiCs
RAID Controller	Yes; see ordering information
Video Storage	0, 10, 12, 18, 20, 30, 40, 50 TB
External Storage	iSCSI
Power Supply	549W Redundant PSU
Redundant Power Supply	Yes
Max BTU	1000
Monitor Interface	1 x HDMI, 1 x Display Port, 1 x VGA
Max. Digital Monitors	1
VideoEdge Client	Yes
Video Recording Throughput	300 Mbps ¹
Dimensions (W x H x D)	19 x 3.38 x 21 in (48.3 x 8.6 x 53 cm)
Included Accessories	Rackmount Ears, Rackmount Rails, USB Mouse and Keyboard
Regulatory	Compliance Safety: UL listed (US+Canada), CB certified multiple countries, (UL/IEC/EN60950-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR22, EN61000-3-2, 3-3) Security immunity (EN50130-4) Environmental: External PSU Efficiency Level VI, RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale.

¹150 Mbps if VideoEdge Client is used



Ordering Information

Model Numbers	Description
VideoEdge 2U NVR	
ADVER50R5N2G	VideoEdge 2U NVR, 50TB RAID 5 (60 Total), 4 NIC, Redundant PS
ADVER40R5N2G	VideoEdge 2U NVR, 40TB RAID 5 (50 Total), 4 NIC, Redundant PS
ADVER30R5N2G	VideoEdge 2U NVR, 30TB RAID 5 (36 Total), 4 NIC, Redundant PS
ADVER20N0N2G	VideoEdge 2U NVR, 20TB JBOD, 4 NIC, Redundant PS
ADVER18R5N2G	VideoEdge 2U NVR, 18TB RAID 5 (24 Total), 4 NIC, Redundant PS
ADVER12R5N2G	VideoEdge 2U NVR, 12TB RAID 5 (18 Total), 4 NIC, Redundant PS
ADVER10R0N2G	VideoEdge 2U NVR, 10TB RAID 0, 4 NIC, includes RAID controller and redundant PS
ADVER10N0N2G	VideoEdge 2U NVR, 10TB JBOD, 4 NIC, Redundant PS
ADVER00N0N2G	VideoEdge 2U NVR, 0TB JBOD, 4 NIC, Redundant PS
VideoEdge NVR HD Kits	
ADVER04TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 1U, 2U or 3U NVR, 4 TB Hot Plug HD Kit w/Tray
ADVER06TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 1U, 2U or 3U NVR, 6 TB Hot Plug HD Kit w/Tray
ADVER10TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 2U or 3U NVR, 10 TB Hot Plug HD Kit w/Tray

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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