Data Sheet

tyco | **American Dynamics**

VideoEdge 2U
Network Video Recorder

Key Features

· 300 Mbps recording throughput
· Support up to 64 IP cameras
· RAID or JBOD storage configurations up to 60 TB
· Enterprise-class hard drives
· Redundant power supply
· RAID storage drives can be hot-swapped while recording
· 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.

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 with 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.

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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	300 Mbps[1]
Max # of Cameras	64[2]
Operating System	VideoEdge OS built on openSUSE Linux
OS Drive	256GB 2.5" SSD
Network Interface	4 x 1 GigE NICs
RAID Controller	Yes; see ordering information
Video Storage	0, 12, 18, 24, 30, 48, 60 TB
Video Storage Drives	up to 6
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

[1] 150 Mbps with VideoEdge Client
[2] Up to 64 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.

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VideoEdge Client	Yes
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[2]	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.

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 2U NVR	
ADVER60R5N2G	VideoEdge 2U NVR, 60TB RAID 5 (72 Total), 4 NIC, Redundant PS
ADVER48R5N2G	VideoEdge 2U NVR, 48TB RAID 5 (60 Total), 4 NIC, Redundant PS
ADVER30R5N2G	VideoEdge 2U NVR, 30TB RAID 5 (36 Total), 4 NIC, Redundant PS
ADVER24N0N2H	VideoEdge 2U NVR, 24TB 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
ADVER12R0N2H	VideoEdge 2U NVR, 12TB RAID 0, 4 NIC, includes RAID controller and redundant PS
ADVER12N0N2H	VideoEdge 2U NVR, 12TB JBOD, 4 NIC, Redundant PS
ADVER00N0N2G	VideoEdge 2U NVR, 0TB JBOD, 4 NIC, Redundant PS

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Model Numbers	Description
VideoEdge NVR HD Kits	
ADVER12TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 2U or 3U NVR, 12 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

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.

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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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