Data Sheet

tyco | American Dynamics

VideoEdge 2U HC Network Video Recorder





Key Features

- RAID storage drives
- 600 Mbps recording throughput
- Support up to 128 IP cameras
- RAID configurations up to 120 TB
- Enterprise-class hard drives
- Redundant power supply
- IP camera auto discovery allows for quick system setup
- Re-Identification Intelligent Search
- NIC bonding for network failover

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 HC Network Video Recorder (NVR) offers a powerful recording solution to meet demanding requirements. Video is recorded in RAID configurations in twelve front-accessible, hot-swappable drives. The 2U HC 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 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 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
Video Recording Throughput	600 Mbps[1]
Max # of Cameras	128[2]
Operating System	VideoEdge OS built on openSUSE Linux
OS Drive	250GB NVMe M.2 SSD
Network Interface	4 x 1GigE LAN (Standard)
RAID Controller	Yes
Video Storage	72, 84, 96, 108, 120 TB
Video Storage Drives	up to 12
External Storage	iSCSI
USB Ports	Front: 2 x USB 3.0 (Blue) Back: 4 x USB 2.0 (Black), 2 x USB 3.1 (Red), 2 x USB 3.0 (Blue)
Power Supply	Dual, 550W, 100~240VAC
Redundant Power Supply	Yes
Max BTU	1876.6
Monitor Interface	1 x DVI-D, 2 x Display Port
Max. Digital Monitors	1
VideoEdge Client	Yes

[1] 300 Mbps with VideoEdge Client

[2] 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/index.html to best determine server and storage.

Hardware Specifications (Cont.)

Specification	Description
Dimensions (W x H x D)	19 x 3.38 x 21 in (48.3 x 8.6 x 53 cm)
Included Accessories	Rackmount Rails, USB Mouse and Keyboard
Regulatory	Compliance Safety: UL Listed (US+Canada), CB certified multiple countries, (UL/IEC/EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Level VI, RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents Security immunity (EN50130-4) Environmental: External PSU Efficiency provided at time of sale.



Ordering Information

Part Numbers	Description
VideoEdge 2U HC NVR	
ADVER120R5N2H	VideoEdge 2U HC NVR, 120 TB, 2 x RAID5 (140 Total), 4 NIC, 2 Storage Sets, Redundant PS
ADVER108R5N2H	VideoEdge 2U HC NVR, 108 TB, RAID5 (120 Total), 4 NIC, Redundant PS
ADVER96R5N2H	VideoEdge 2U HC NVR, 96 TB, RAID5 (108 Total), 4 NIC, Redundant PS
ADVER84R5N2H	VideoEdge 2U HC NVR, 84 TB, RAID5 (96 Total), 4 NIC, Redundant PS
ADVER72R5N2H	VideoEdge 2U HC NVR, 72 TB, RAID5 (84 Total), 4 NIC, Redundant PS
VideoEdge NVR HD Kits	
ADVER12TBTHC	VideoEdge 12TB HD KIT with caddy

Camera Connection Licenses

Part 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

victor VMS and VideoEdge Recorders are sold, serviced and supported by a network of Certified Installers and are backed by an American Dynamics Software Support Agreement to ensure long term support and maintenance. For specific information regarding Certification, Training and SSA requirements please consult your local sales representative.

Johnson Controls

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