tyco | **American Dynamics**

Data Sheet

VideoEdge Hybrid 2U & 3U Network Video Recorder

Key Features

- 2U features up to 200 Mbps of recording throughput to disc, with the 3U supporting up to 300 Mbps
- Integrate analog cameras without the cost of encoders
- 2U supports 16 analog and up to 16 IP cameras simultaneously, or up to 32 IP cameras
- 3U supports 32 analog and up to 32 IP cameras simultaneously, or up to 64 IP cameras
- RAID or JBOD storage configurations up to 50TB
- Enterprise-class hard drives

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.

Protect Your Analog Investment and Add IP

The VideoEdge Hybrid 2U and 3U Network Video Recorders (NVRs) allow you to support analog cameras without the complexity and cost of encoders. Through the local VideoEdge client, users can easily view and export video from the NVR for review and analysis. By connecting a CCTV monitor to the Hybrid NVR, security operators can instantly view real-time camera feeds for ongoing surveillance. Video is recorded on RAID or JBOD storage configurations in front-accessible drives.

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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 and area occupancy are combined and integrated with the victor/ 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/ 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	
	VideoEdge Hybrid 2U NVR	VideoEdge Hybrid 3U NVR
Camera Type	IP and SD Analog	IP and SD Analog
Video Recording Throughput	200 Mbps[1]	300 Mbps[1]
Max # of Cameras (IP or Analog)	32	64
Max # of Analog Inputs	16	32
Operating System	VideoEdge OS built on openSUSE Linux	VideoEdge OS built on openSUSE Linux
OS Drive	Single 500 GB	Single 500 GB
Network Interface	2 x 1 GigE NICs	2 x 1 GigE NICs
RAID Controller	Yes	Yes
Video Storage	0, 10, 18, 20, 30, 40, 50 TB	0, 10, 18, 20, 30, 40, 50 TB
USB Ports	Front: 2 x USB 2.0 Back: 2 x USB 2.0, 4 x USB 3.0	Front: 2 x USB 2.0 Back: 2 x USB 2.0, 4 x USB 3.0
Power Supply	400W, 100~240VAC	400W, 100~240VAC
Max BTU	1000	1000
Monitor Interface	1 x HDMI, 1 x Display Port, 1 x VGA	1 x HDMI, 1 x Display Port, 1 x VGA
Max. Digital Monitors	1	1
Max. Analog Spot Monitors	2	2
VideoEdge Client	Yes	Yes
Audio Inputs	16	32
Audio Output	Yes	Yes

Alarm Contact Inputs/Outputs	18/16	36/32
Analog Loop Through	16 (auto-terminating)	32 (auto-terminating)
RS422	1	1
RS232	2	2
Dimensions (W x H x D)	19 x 3.38 x 21 in (48.3 x 8.6 x 53 cm)	19 x 5.13 x 24 in (48.3 x 13 x 61 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.	

[1]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.

[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 Hybrid	
ADVER50R5H2G	VideoEdge 2U Hybrid with 16 analog channels, 50TB RAID 5 (60 Total), 2 NIC
ADVER40R5H2G	VideoEdge 2U Hybrid with 16 analog channels, 40TB RAID 5 (50 Total), 2 NIC
ADVER30R5H2G	VideoEdge 2U Hybrid with 16 analog channels, 30TB RAID 5 (36 Total), 2 NIC
ADVER20N0H2G	VideoEdge 2U Hybrid with 16 analog channels, 20TB JBOD, 2 NIC
ADVER18R5H2G	VideoEdge 2U Hybrid with 16 analog channels, 18TB RAID 5 (24 Total), 2 NIC
ADVER10N0H2G	VideoEdge 2U Hybrid with 16 analog channels, 10TB JBOD, 2 NIC
ADVER00N0H2G	VideoEdge 2U Hybrid with 16 analog channels, 0TB storage, 2 NIC
VideoEdge NVR HD Kits	
ADVER10TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 2U or 3U NVR, 10 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
ADVER04TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 1U, 2U or 3U NVR, 4 TB Hot Plug HD Kit w/Tray

Ordering Information

Model Numbers	Description
VideoEdge 3U Hybrid	
ADVER50R5H3G	VideoEdge 3U Hybrid with 32 analog channels, 50TB RAID 5 (60 Total), 2 NIC
ADVER40R5H3G	VideoEdge 3U Hybrid with 32 analog channels, 40TB RAID 5 (50 Total), 2 NIC
ADVER30R5H3G	VideoEdge 3U Hybrid with 32 analog channels, 30TB RAID 5 (36 Total), 2 NIC
ADVER20N0H3G	VideoEdge 3U Hybrid with 32 analog channels, 20TB JBOD, 2 NIC
ADVER18R5H3G	VideoEdge 3U Hybrid with 32 analog channels, 18TB RAID 5 (24 Total), 2 NIC
ADVER10N0H3G	VideoEdge 3U Hybrid with 32 analog channels, 10TB JBOD, 2 NIC
ADVER00N0H3G	VideoEdge 3U Hybrid with 32 analog channels, 0TB storage, 2 NIC
VideoEdge NVR HD Kits	
ADVER10TBTAD	VideoEdge HDD Kit, Compatible with VideoEdge 2U or 3U NVR, 10 TB Hot Plug HD Kit w/Tray
ADVER06TBTAD	Compatible with VideoEdge 2U and 3U NVRs, 6 TB Hot Plug HD Kit w/Tray
ADVER04TBTAD	Compatible with VideoEdge 2U and 3U NVRs, 4 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

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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