

AMERICAN DYNAMICS

VideoEdge 2U PoE Network Video Recorder

When more
performance
is paramount.



Increased Performance

Qualified and validated under the most stringent test conditions and now delivering up to 100% increase in throughput, Enterprise class hard disk drives provide the highest possible reliability



Camera Licensing

No additional licenses are required when Illustra Cameras* are connected to American Dynamics VideoEdge NVRs



Fast Deployment

Turnkey solution with VideoEdge preinstalled easily integrates into existing systems, saving valuable time and lowering installation costs



Cybersecure

Protected against cyber-threats by comprehensive multilayer security in accordance with the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program



Smart Streaming

Active Content Transcoding technology intelligently utilizes available network bandwidth, dynamically adjusting video stream properties to save bandwidth and optimize the user experience when viewing video from a victor client



5 Year Warranty

Comprehensive hardware cover includes 'Keep Your Hard Drive', allowing you to retain possession of your hard drives when receiving warranty replacements from our dedicated support team

* Contact your nearest Sales Representative for details on applicable Illustra camera models

Hardware Specifications

Specification	Description
Camera Type	IP
Video Recording Throughput ¹	200 Mbps
Maximum IP Streams ²	50
Maximum Transcode Streams	14
Operating System	VideoEdge OS (powered by openSUSE Leap)
OS Drive	256 GB NVMe™ M.2 SSD
Network Interface Ports	2 x 2.5 GbE
Camera Interface ³	16 x 10/100 Mbps PoE (802.af); up to 8 x 10/100 Mbps PoE+ (802.at), 240W Total Power
RAID Controller ⁴	JBOD or Software RAID
Video Storage (# HDDs)	0, 4, 8, 12, 24 (2 x 12), 36 (3 x 12), 48 (4 x 12) TB
Video Storage Drives	Up to 4 x 3.5" hot plug HDDs
External Storage	iSCSI
USB Ports	Front: 2 x USB 3.2 (Gen 1); Rear: 4 x USB 3.2 (Gen 2)
Power Supply	500W 100~240VAC
Redundant Power Supply	No
Warranty	5 Year, Keep Your Hard Drive (KYHD)
Max BTU	1710
Local Client	Yes
Monitor Ports	HDMI 2.0b, 2 x DP 1.4a, VGA
Monitors Max	1
Dimensions W x H x D	19.1 x 3.5 x 23.0 in (48.5 x 9.0 x 58.4 cm)
Weight Max	33.1 lbs (15.0 kg)
Included Accessories	Rackmount rails; USB mouse and keyboard
Regulatory ⁵	Safety: UL Listed (US + Canada), (UL/IEC/EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale. Manufactured in compliance with TAA and NDAA

¹ 100 Mbps with Local Client

² Stream parameters vary greatly. 50 stream calculation based on 2MP at 30 FPS. Refer to the American Dynamics Resource Estimator and Storage Calculator <https://www.americandynamics.net/Support/CalcDefault> to best determine server and storage

³ PoE+ is limited to 4 from ports 1-8 and 4 from ports 9-16, with remaining ports unconnected.

⁴ When Software RAID Control is enabled Max Video Recording Throughput is 100Mbps and 50Mbps when ADVMS Client is also used.

⁵ 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 PoE NVR	
ADVER48N0NP16H	VideoEdge 2U NVR, 48 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
ADVER36N0NP16H	VideoEdge 2U NVR, 36 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
ADVER24N0NP16H	VideoEdge 2U NVR, 24 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
ADVER12N0NP16H	VideoEdge 2U NVR, 12 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
ADVER08N0NP16H	VideoEdge 2U NVR, 8 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
ADVER04N0NP16H	VideoEdge 2U NVR, 4 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
ADVER00N0NP16H	VideoEdge 2U NVR, 0 TB JBOD or Software RAID, 16 PoE ports, (2) 2.5 GbE
VideoEdge 2U PoE NVR HDD Kits	
ADVER12TBHDK	VideoEdge 12 TB Hot Plug HDD Kit w/Tray (Compatible with *P16H & *N2J models)
ADVER08TBHDK	VideoEdge 8 TB Hot Plug HDD Kit w/Tray (Compatible with *P16H & *R*N2J models)
ADVER04TBHDK	VideoEdge 4 TB Hot Plug HDD Kit w/Tray (Compatible with *P16H & *R*N2J models)

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 License

*Not required with Illustra Pro cameras

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

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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