American Dynamics
From Tyco Security Products

VideoEdge
Network Video Management System

Features That Make a Difference:

- IP camera auto discovery to get your system up and running quickly

- Dynamic bandwidth management

- Embedded video analytics

- Real-time system health monitoring

- Failover redundancy for worry-free system operation

- POS text integration helps identify fraud and cashier proficiency

- HTTPS and SSL security hardening protects against cyber-attacks and other threats

- Supports ONVIF Profile S

- VideoEdge Client provides local access to live and recorded video*

- VideoEdge Go mobile app provides visibility from anywhere

Comprehensive and Powerful VMS Solution for Every Security Need

VideoEdge is one of the fastest and most powerful NVRs in the industry, and works with a variety of intuitive clients to help manage an active surveillance environment. With a variety of form factors and capacities, VideoEdge offers a VMS solution that will best suit your surveillance requirements.

VideoEdge software is based on a customized version of SUSE Linux that is installed as JeOS (Just enough Operating System). As a network appliance, the NVR delivers high performance while maintaining network security.

Event Management at your fingertips

VideoEdge features the industry-first SmartSearch for lightning fast searches enabling you to export your event findings more quickly and easily than ever before. Embedded video analytics help you flag suspicious activity and behavior in real-time without the need for additional hardware and software.

Whether using the pre-installed VideoEdge client, VideoEdge Go mobile app or the robust victor Unifying Clients, you get the same superior features including video streaming, audio, and motion meta-data.

VideoEdge is based on an advanced open architecture and simple design that allows you to deploy any number of cameras, expanding as needed by adding camera or video analytics licenses at any time. VideoEdge provides a scalable solution from a single NVR to a large multi-site architecture, offering an enterprise video management solution.

Powerful analytics address the need for video intelligence from retail and other key markets

VideoEdge includes POS integration, data visualizer and embedded analytics such as heat mapping, dwell and linger, and shelf sweep, helping to improve the efficiency of security officers and loss prevention personnel.

VideoEdge is Scalable and Flexible

Deploy any number of cameras, adding camera licenses as needed, from a single NVR to large, multi-site architecture. VideoEdge's portfolio of clients and form factors offers options and solutions that fit all businesses and organizations that require active surveillance.

Fastest Throughput in the Industry

Our rack-mount server features 800 Mbps of video throughput (400 Mbps to disc/400 Mbps to clients) supporting up to 128 cameras at the maximum frame rate, allowing you to have the highest number of cameras per NVR without sacrificing bandwidth or quality.

VideoEdge Clients

From one single interface, you can leverage VideoEdge's high-performance video streaming, audio, motion meta-data and expansive feature set, including live/ recorder video. You can also use VideoEdge Go for powerful video management on the move.

victor Clients

For a unified security experience or Command Center operations, VideoEdge can be used with our victor Unifying Clients. Please find more details about the power of victor on the data sheet located on americandynamics.net

Camera Auto Discovery

Quickly find cameras on your network, and automatically assign IP addresses quickly. What used to take hours is now accomplished in minutes.

VMS Failover, External Archiving and RAID options

Ensures worry-free system operations and secure data, even in hosted environments. Should you lose power or system communication, all functionalities can be transitioned seamlessly to the secondary system, including recorded video. Archiving can be scheduled to download to most any type of storage system.

POS Text Integration

POS systems can be easily integrated directly into VideoEdge to enable fast searches that greatly reduce investigation time. This can help identify if an employee is stealing or lacks POS proficiency.

Dynamic Bandwidth Management

View and transcode high-quality video in real time, even through narrow bandwidth connections. Dynamic bandwidth management also provides the ability to cap data transmitted over a LAN, allowing the NVR to coexist with other applications operating on the same bandwidth.

Embedded Video Analytics

Analyze direction, enter, exit, loitering, dwell, object removed, object left behind or abandoned, and shelf sweep to create powerful meta-data that can be visualized on dashboards or heat maps. Search for video in seconds, saving you precious time.

HTTPS and SSL Security Hardening

Rest assured knowing that your VMS is protected from cyber-attacks and other threats to your system.

Model Numbers	Description
Software Only	
ADVVSWM	VideoEdge and victor application server (VAS) with 4 camera licenses and 2 victor client licenses.
ADVESWADD	One additional VideoEdge NVR Server software with 4 camera licenses (requires ADVVSWM)
Desktop	
ADVED00N0NB	VideoEdge Desktop NVR with 4 IP camera and no internal storage
ADVED02N0NB	VideoEdge Desktop NVR with 4 IP camera and 2TB storage
ADVED04N0NB	VideoEdge Desktop NVR with 4 IP camera and 4TB storage
2U	
ADVER00R5N2B	VideoEdge 2U NVR with 4 IP camera license and 0TB storage
ADVER08R5N2B	VideoEdge 2U NVR with 4 IP camera license and 8TB storage
ADVER12R5N2B	VideoEdge 2U NVR with 4 IP camera license and 12TB storage
ADVER20R5N2B	VideoEdge 2U NVR with 4 IP camera license and 20TB storage
Rack-Mount Server	
ADVER06N0D1D	VideoEdge NVR 2U rack-mount server with 4 camera licenses and 6TB of usable video storage
ADVER12R5D1D	VideoEdge NVR 2U rack-mount server with 4 camera licenses and 9TB of usable RAID5 storage
ADVER18R5D1D	VideoEdge NVR 2U rack-mount server with 4 camera licenses and 15TB of usable RAID5 storage
ADVER24R5D1D	VideoEdge NVR 2U rack-mount server with 4 camera licenses and 21TB of usable RAID5 storage
ADVER30R5D1D	VideoEdge NVR 2U rack-mount server with 4 camera licenses and 27TB of usable RAID5 storage
ADVER36R5D1D	VideoEdge NVR 2U rack-mount server with 4 camera licenses and 33TB of usable RAID5 storage
Miscellaneous	
ADVEC01	VideoEdge NVR Add-on 1 IP camera license
ADVEVAC01	VideoEdge NVR Add-on 1 video analytics license

Specifications

	Desktop	2U NVR	Rack-Mount Server
Operating System	SUSE Linux JeOS	SUSE Linux JeOS	SUSE Linux JeOS
Processor	4th Generation core i3	Xeon E5-2620	Xeon E5-2620
Memory	8GB	8GB	8GB
OS Drive	500GB Enterprise SATA	500GB Enterprise SATA	2 x RAID1 500 GB Nearline SAD HD
Network Interface	2 x 1 Gigabit Ethernet NICs	4 x 1 Gigabit Ethernet NICs	4 Gigabit Ethernet NICs
RAID Controller	None	Yes*	Yes**
Video Storage	0, 2, 4TB	0, 8, 12, 20TB	6-36TB*
External Storage	USB, iSCSI	USB, iSCSI	iSCSI
Power Supply	300W	400W	Redundant 495W
Redundant Power Supply	No	Yes	Yes
Max BTU	700	1000	1908
Dimensions	39.62 x 10.9 x 34.9 cm (15.6 x 4.3 x 13.75 in)	48.3 x 8.6 x 61 cm (19 x 3.375 x 24 in)	48.2 x 8.7 x 68.4 cm (19 x 3.43 x 27 in)
Max Total Camera	32	64	128
Max Digital Monitor	1	1	1
Max Analog Monitor	1	2	0
Local Client	Yes	Yes	No
Monitor Interface	1 x DVI, 1 x VGA	1 X DVI, 1 x VGA	1 x VGA
Video Recording (write to disc)	100Mbps	200Mbps	400Mbps
Video Playback (to client)	100Mbps	200Mbps	400Mbps
Chassis	Desktop	Rack-Mount	Rack-Mount
Regulatory	FCC Part 15, Class A; CE: EN55022, Class A; CE: EN6100-3-2; 3-3; ICES-003/NMB-003, Class A; AS/NZS CISPR22, Class A Immunity CE: EN50130-4 CE: EN50130-4 CE: EN50130-4 Safety UL 60950-1(2nd Ed.); IEC/EN 60950-1; CSA C22.2 60950-1		

*Available with all units, pre-configured with 20TB only   **Not available on 6TB unit

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Hardware Requirements for Off the Shelf Systems

	Up to 32 Cameras	Up to 64 Cameras
Operating System	Not Required	Not Required
Processor	Core i3 2100, 3.1 GHz	Intel Xeon E5-2620, 2.00Ghz
Memory	8GB 1333Mhz	8GB 1333Mhz
OS Drive	500GB with 16M Cache Memory 7200RPM	500GB with 16M Cache Memory 7200RPM
Network Interface	Minimum Two 1Gb NICs, Recommended: Three	Minimum Two 1Gb NICs, Recommended: Three
RAID Controller	As Needed	As Needed
Video Storage	As Needed	As Needed
External Storage	iSCSI, USB***, eSATA	iSCSI, USB***, eSATA
Video Recording (write to disc)	Max 50 Mbps	Max 300 Mbps
Video Playback (to client)	Max 50 Mbps	Max 300 Mbps

*Raw disk space   **Via USB3 port only   ***Via USB3 port only

Related Products

victor Unified Client

RAID Storage

illustra
IP Cameras

Software House C•CURE 9000

Approvals

RoHS 2002/95/EC

CE

www.americandynamics.net