

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

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



IP Cameras



Software House
C-CURE 9000

Approvals



www.americandynamics.net