Data Sheet

tyco | **American Dynamics**

VideoEdge Virtual NVR

Key Features

- Bundled OS and NVR application appliance intended for virtual applications
- Support up to 1200 Mbps of throughput
- Ideal for enterprise-level, IT centric deployments, saving cost and space
- Easily add Tyco Transcoder to complement smart streaming technology
- VideoEdge OS built on openSUSE Linux for high-performance network security
- Support for Virtual IO on select cameras

Manage More and Save Valuable Resources

The powerful VideoEdge solution can now be managed via a VMware® appliance to optimize performance and strengthen fit into IT-managed facilities. The enterprise-scale of this modern architecture allows it to support up to 1200 Mbps on a single configured platform with industry-leading throughput. Combine with the Tyco Transcoder and Tyco Analytics Appliance to add more channels to meet live streaming and business intelligence capabilities. This simplified installation makes it an ideal option for existing and new systems.

Improve 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.

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Additional tools that help with both live streaming and forensic investigation 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.

Ensure Reliability and Business Continuity with a Cybersecurity Program
The Virtual VideoEdge NVR has been designed to be resilient against cyber-threats. Our products are gated, analyzed, tested and required to meet or exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program for every consecutive release. This holistic approach 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.

Recommended Virtual Specifications

Specification	Description		
Number of IP Streams	Up to 64 cameras	Up to 128 cameras	Up to 300 cameras
Video Recording Throughput	300 Mbps	600 Mbps	1200 Mbps
Virtual Server	VMware ESXi 6.0		
Operating System	VideoEdge JeOS (based on openSUSE Linux Operating System)		
vCPU	8 vCPU	12 vCPU	28 vCPU
CPU Reservation	12,000 MHz	20,000 MHz	47,600 MHz
Memory Reservation	8GB	16GB	38GB
Dedicated Ethernet	(2) 1GbE	(2) 1GbE	(2) 10GbE
Boot/OS/DB	200GB		
Min Video Storage	4TB	4TB	6TB
Average IOPS (ISCSI SAN RAID 10)	260	400	500
USB	2.0 or 3.0		
Transcoding	Add transcoding channels via the Tyco Transcoder appliance		

Ordering Information

Model Numbers	Description
ADVEVIRT	Virtual VideoEdge NVR base license, 1 year SSA, no camera or analytics licenses (Local)
ADVC-VEVIRT	Virtual VideoEdge NVR base license, 1 year SSA, no camera or analytics licenses (Centralized on vAS)
TYCTRNSCDR	Tyco Transcoder, adds 14 channels of transcoded video to VideoEdge NVR's.
TYCVAAPPL	Tyco Analytic Appliance, supports Video Intelligence Analytics and LPR

Camera Connection Licenses

Model Numbers	Description
ADVEC01	VideoEdge NVR Add-on 1 IP camera license

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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For additional information, please visit www.americandynamics.net or follow us on Facebook, Twitter, and LinkedIn.

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