

# victor Enterprise Video Management System



## Key Features

- Manage a federated server architecture from a master application server
- Support thousands of video recorders
- Advanced event, map, and clip management
- Comprehensive, active surveillance environment
- View events and generate global reports across the entire system
- Pair with C-CURE access control for a Unified experience

## A Solution That Not Only Protects Your Business, but 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. Leveraging high-performance smart video searching, video intelligence, and case management along with an extensive feature set, users gain greater situation awareness and save administrator resources.

## Powerful Scalability for Increased Awareness of Dynamic Environments

Combined with advanced event management, victor Enterprise streamlines real-time command and management over a widespread, active surveillance environment allowing customers complete control and visibility to global operations. Support thousands of video recorders with victor Enterprise by providing a centralized master application server and multiple satellite application servers that create a robust infrastructure. victor's powerful collaboration tools provide any operator the ability to immediately share visual and analytic data across the integrated enterprise platform allowing for greater business insight.

## Improve Incident Response with Intelligent Designs

Once added to the system, intelligent video analytics are bundled into VideoEdge NVRs and integrated with victor VMS software to greatly improve operational efficiency and decision-making data. By simply allocating an analytics license to a camera, the NVR will immediately begin collecting behavioral metadata that can be leveraged for reporting key performance indicators 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.

Additional tools that help with both live streaming and forensic search include smart streaming and smart search. Smart streaming reduces centralized client 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 victor VMS has been designed to protect against cyber-threats. This resilient solution has archiving and failover technologies that provide business continuity across a variety of outages. With support for management of user accounts using Microsoft Active Directory, access to victor's critical functions, including privacy related data, can be tightly controlled from a centralized location. The victor VMS adheres to the rigorous standards of the Tyco Cyber Protection Product Security Program. The holistic approach to cyber protection is aimed at providing peace of mind to our customers. Our holistic mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

## victor Features by Recorder

Network Video Recorders	VideoEdge	Intellex
Max # of recorders w/victor Enterprise <sup>1</sup>	300 per SAS	700 per SAS
Max # of SAS per MAS w/victor Enterprise <sup>2</sup>	40	40
Live View, Playback and Export	✓	✓
Hardware Acceleration (NVIDIA)	✓	
Bi-Directional Audio (SIP)	✓	✓
Alarm Management	✓	✓
Digital Output Action	✓	✓
Smart Search	✓	✓
Streaming Playback	✓	✓
Pan, Tilt & Zoom Support	✓	✓
360° (Fisheye) Camera Dewarping	✓	
Secure HTTPS & TLS Connection	✓	
victor Web Client	✓	
victor Web LT Client	✓	
Video Intelligence Analytics & LPR	✓	
Multistream & Smart Stream Support	✓	✓
Single Camera Stream Support	✓	✓
Supports 18 <sup>3</sup> Languages	✓	✓

<sup>1</sup> For the max # of recorders with ExacqVision, ADTVR, Holis, and 3rd party, please consult your Sales Representative.

<sup>2</sup> Please consult with your Sales Representative for the maximum number of SAS and recorders for your specific system configuration.

<sup>3</sup> Arabic, Chinese, Czech, Danish, Dutch, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Swedish, Turkish

## Technical Specifications

victor Client						
Platform Type*	Operating System (Preferred)	Max # Monitor(s)	CPU	Min Memory	Max Streams	Display Adapters
Standard Workstation	Windows 10 (64-bit)	Dual or Quad	Intel Core i5-8500	8 GB	144	NVIDIA Quadro P600 [x1] or P620 [x1]
Performance Workstation	Windows 10 (64-bit)	Dual or Quad	Intel Core i7-8700	16 GB	192	NVIDIA Quadro P1000 [x1]
High Performance Workstation	Windows 10 (64-bit)	Dual or Quad	Intel Xeon Silver 4110 (CPUs x2)	32 GB	192	NVIDIA Quadro P1000 [x1]

\*For further information on recommended Platforms, CPU Types & Display Adapters, see victor 5.4 specification document 8200-1147-18 K0. This application note refers to recommendations for both Client & Application Server.

victor Client Supported Operating Systems
Microsoft Windows 7 SP1 (64-bit), Microsoft Windows 8.1 (64-bit), Microsoft Windows 10 (64-bit, preferred)

victor Master/Satellite Application Server (Preferred)						
Workstation Configuration	Operating System (Preferred)	CPU	RAM (GB)	Storage Req	Database (dependent on system)	
victor Enterprise SAS	Windows Server 2016 (Latest SP)	Core i5_8500	16	500 GB 7.2K RPM	Microsoft SQL Server 2016	
victor Enterprise MAS	Windows Server 2016 (64-bit)	Xeon Silver 4101	24	500 GB 7.2K RPM	Microsoft SQL Server 2016	

victor Enterprise Application Server; Supported Operating Systems & Database Versions	
Operating System	Microsoft Windows 7 SP1 (64-bit), Windows 8.1 (64-bit), Windows 10 (64-bit) Microsoft Windows Server 2012 (64-bit), Server 2012 R2 (64-bit), Server 2016 (64-bit)
Database	Microsoft SQL Server 2012, 2014, 2016 (Express, Standard & Enterprise)

victor Satellite Application Server Performance			
Platform Type	Max Recorders VideoEdge/Intellex	Max Clients (Simultaneous)	Max Alert Activity
victor Application Server	300/700	100	64 per sec

Virtual victor Application Server						
Virtualization Platform	Operating System (Preferred)	#of CPU Cores	CPU Reservation	RAM (GB)	Storage Req	Database
SAS VMware ESXi 6.0	Windows Server 2016 (Latest SP)	4	7 GHz	16	500 GB	SQL Server 2016
MAS VMware ESXi 6.0	Windows Server 2016 (Latest SP)	6	10 GHz	24	1000 GB	SQL Server 2016

## victor Enterprise MAS Base

Model Numbers	Description
ADVMAS-10	victor Enterprise MAS, 1 concurrent client connection (Base), Supports up to 10 Satellite Application Servers
ADVMAS-20	victor Enterprise MAS, 1 concurrent client connection (Base), Supports up to 20 Satellite Application Servers
ADVMAS-40	victor Enterprise MAS, 1 concurrent client connection (Base), Supports up to 40 Satellite Application Servers
ADVC-VMASCC9	victor Enterprise - Application Server Upgrade to Satellite Application Server for C-CURE MAS to victor Unified MAS

## victor Enterprise MAS Add-ons

Model Numbers	Description
ADVMASCC01ADD	victor Enterprise MAS Add-on License, 1 Concurrent Client Connection Add-on
ADVMASCC01ADD	victor Enterprise MAS Add-on License, victor Video Wall agent. Includes 1 video wall agent
ADVC-MASLDAP	victor Enterprise MAS Add-on License, victor Application Server LDAP
ADVC-MASVMK	victor Enterprise MAS Add-on License, victor Client Virtual Matrix and serial PTZ Keyboard support

## victor Enterprise SAS Base

Model Numbers	Description
ADVC-APPSERVER	victor Enterprise SAS, 1 concurrent client connection (Base)

## victor Enterprise SAS Add-ons

Model Numbers	Description
ADVSASC01ADD	victor Enterprise SAS Add-on License, 1 Concurrent Client Connection Add-on
ADVSASC25ADD	victor Enterprise SAS Add-on License, 25 Concurrent Client Connections Add-on
ADVSASCC01ADD	victor Enterprise SAS Add-on License, victor Video Wall agent. Includes 1 video wall agent
ADVC-SASLDAP	victor Enterprise SAS Add-on License, LDAP Users
ADVC-SASVMK	victor Enterprise SAS Add-on License, victor Client Virtual Matrix and serial PTZ Keyboard support
ADVC-SASPOS	victor Enterprise SAS Add-on License, Point of Sale Data Import
ADVWCC01	Standalone victor Web - Single Web Concurrent Connection Client license
ADVC-VWC01	victor Web - Single Web Concurrent Connection Client license
ADVC-VGOAPP01	victor GO - Single concurrent client license, sold per Application Server

## victor Enterprise SAS Centralize Licenses

Model Numbers	Description
ADVC-SASCENTLIC	victor Enterprise SAS Central License Management for VideoEdge
ADVC-SASVECAM	victor Enterprise SAS Centrally Managed VideoEdge IP Camera Connection License - Single Camera License
ADVC-SASVEVA	victor Enterprise SAS Centrally Managed VideoEdge IP Camera Video Analytics License - 1 Camera License
ADVC-SASVELPR	victor Enterprise SAS Centrally Managed VideoEdge IP Camera License Plate Recognition (LPR) - Single Camera License

## victor Accessories

Servers	
VIC-RACKSVR3	victor Application Server 1U Rack-mount, Win Server 2016, RAID 1 SAS - Does not include victor software or licensing
VIC-RACKSVR5	victor Application Server 2U Rack-mount, Win Server 2016, RAID 10 SAS - Does not include victor software or licensing
VIC-RACKSVR7	victor Application Server 2U Rack-mount, Win Server 2016, RAID 10 SAS - Does not include victor software or licensing
VIC-TWRSVR2	victor Application Server Minitower Server, Win Server 2016 64-bit - Does not include victor software or licensing
Workstations	
VIC-TWRSVR1	victor Client Minitower Workstation, Win10 Pro 64-bit - Does not include victor software or licensing
Encoder	
ADVCMONENC1	victor Client Workstation HDMI Monitor Encoder
Keyboard	
ADVCPKEY1	victor USB PTZ Keyboard with Jog Shuttle

## Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.