

victor and VideoEdge Port Assignments

About this guide

This guide outlines the port assignments for victor and VideoEdge.

- ① **Note:** In case of discrepancy, the information in this document supersedes the information in any document referenced herein.

victor Application Server ports

Table 1: victor Application Server (vAS) port assignments

Port / range	Process /service	Transport protocol	Direction	Destination system	Description
80	VideoEdge NVR Admin / Alarm Port	TCP	Bidirectional	VideoEdge	VideoEdge NVR Admin / Alarm Port.
80	everRun IIS	TCP	Bidirectional	everRun	everRun IIS port, required to be open.
389	LDAP	TCP	Outbound	LDAP Server	LDAP is used to synchronize vAS database with other databases, non-vAS. It allows other databases, such as human resources information, to download information.
443	everRun HTTPS communications	TCP	Bidirectional	Web	HTTPS port for SSL connections with vAS Go Stratus (everRun) communication.
1433	SQL Server	UDP and TCP	Bidirectional	SQL Server	Traffic direction from vAS outbound, connection Initiate from vAS to SQL server. Communication from vAS to SQL for database writing, reading, and modifying.
1434	SQL Server	UDP	Bidirectional	SQL Server	Traffic direction from vAS outbound, connection Initiate from vAS to SQL server. Communication from vAS to SQL for database writing, reading, and modifying.
5000	Intellex Base	TCP	Bidirectional	Intellex	Intellex Base
5001	Intellex Live	TCP	Bidirectional	Intellex	Intellex Live
5003	Intellex Alarm	TCP	Bidirectional	Intellex	Intellex Alarm
7144 - 7145	EMC Replistor	TCP	Transmit	EMC Replistor	For EMC Replistor failover or redundancy.

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Port / range	Process /service	Transport protocol	Direction	Destination system	Description
8042 - 8045	EMC AutoStart	TCP	Transmit	EMC Autostart	For EMC AutoStart failover or redundancy.
8085	Auto update	TCP	Bidirectional	Client	Auto Update for clients and SAS from MAS.
8989	Update file server	TCP	Inbound	VideoEdge	Communication from vAS to VideoEdge for incremental updates or camera firmware updates. Note: Ensure that port 8989 is accessible from the VideoEdge units being upgraded.
8990	Tyco update repository	TCP	Inbound	vAS	Tyco update repository.
8991	Push upgrade	TCP	Inbound	Connections expected from VideoEdge	VideoEdge software updates.
8992	Tyco update client services	TCP	Outbound	vAS	Tyco update client services.
8996	Crossfire service of web client session	TCP	Bidirectional	Client	location = vAS, traffic direction from vAS = inbound, connection initiate from victor Client. For clients to access vAS from web.
8997	Admin / Monitor Client stream	TCP	Bidirectional	Client	location = vAS, traffic direction from vAS = inbound, connection Initiate from victor Client. Client access to administrative or monitor station of vAS.
8998	Crossfire service of HTTP client session	TCP	Bidirectional	Client	location = vAS, traffic direction from vAS = inbound, connection Initiate from victor Client. For HTTP of crossfire for client session.

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Port / range	Process /service	Transport protocol	Direction	Destination system	Description
8999	Crossfire service of TCP client session	TCP	Bidirectional	Client	location = vAS, traffic direction from vAS = inbound, connection initiate from victor Client. For crossfire service of TCP client session.
27000 - 27010	TycoESS license software centralized licensing	TCP	Bidirectional	vAS	location = vAS, traffic direction from vAS = inbound, connection initiate from vAS. Used for verifying licenses with Software House. Centralized licensing for VideoEdge.
32200-38200	VideoEdge streaming	UDP	Bidirectional	VideoEdge	VideoEdge NVR streaming port.

victor Client ports

Table 2: victor Client port assignments

Port / range	Process /service	Transport protocol	Direction	Destination system	Description
80	HTTP	TCP	Bidirectional	VideoEdge NVR	VideoEdge NVR Admin / Alarm Port.
443	HTTPS	TCP	Bidirectional	VideoEdge NVR	VideoEdge NVR Admin / Alarm Port, encrypted.
554	RTSP	TCP	Bidirectional	VideoEdge NVR	Real-time streaming protocol default port. Creates, controls, and destroys streaming sessions.
5000	Intellex Base	TCP	Bidirectional	Intellex DVR	Intellex Base
5001	Intellex Live	TCP	Bidirectional	Intellex DVR	Intellex Live
5003	Intellex Alarm	TCP	Bidirectional	Intellex DVR	Intellex Alarm

Table 2: victor Client port assignments

Port / range	Process /service	Transport protocol	Direction	Destination system	Description
6000 - 7999	RTP / RTCP	UDP	Bidirectional	VideoEdge NVR	Even port numbers = real-time transport protocol. Odd port numbers = real-time control protocol. Each video stream uses one of each of these port. RTP port is for receiving UDP video packets from the Video Edge. RTCP port sends feedback on the network quality and keeps the stream alive. Client side ports, ports 32200-38200 = server side ports.
8999	Crossfire service of TCP client session	TCP	Bidirectional	vAS	location = vAS, traffic direction from vAS = inbound, connection initiate from victor Client. For crossfire service of TCP client session.
9300	BWC Dashboard	TCP	Outbound	EdgeVis server	Communication with EdgeVis server for live audio or video.
9301	BWC Dashboard	TCP	Outbound	EdgeVis server	Secure communication with EdgeVis server for live audio or video.
9443	BWC Dashboard	TCP	Outbound	EdgeVis server	EdgeVis server admin port.

victor Web ports

Table 3: victor Web port assignments

Port / range	Process / service	Transport protocol	Direction	Destination system	Description
80	HTTP	TCP	Bidirectional		VideoEdge NVR Admin / Alarm Port.
443	HTTPS	TCP	Bidirectional		VideoEdge NVR Admin / Alarm Port, encrypted.

victor GO ports

Table 4: victor GO port assignments

Port / range	Process / service	Transport protocol	Direction	Destination system	Description
80	HTTP	TCP	Bidirectional		VideoEdge NVR Admin / Alarm Port.
443	HTTPS	TCP	Bidirectional		VideoEdge NVR Admin / Alarm Port, encrypted.

VideoEdge ports

Table 5: VideoEdge port assignments

Port / range	Process / service	Transport protocol	Direction	Destination system	Description
22	SSH	TCP	Bidirectional	Client SSH terminal	SSH.
25	SMTP	TCP	Bidirectional	mail server	SMTP.
67	DHCP	UDP	Bidirectional	DHCP client	Assign DHCP addresses to clients.
68	DHCP	UDP	Bidirectional	DHCP server	obtaining dynamic IP address (DHCP).
80	HTTP	TCP	Bidirectional	Web/Client	HTTP.
123	NTP	UDP	Bidirectional	NTP (time server)	NTP.
161	SNMP	UDP	Bidirectional	SNMP manager	SNMP.
162	SNMP	UDP	Bidirectional	SNMP manager	SNMP Trap.
443	Secure HTTP	TCP	Bidirectional	Web/client	HTTPS.
554	RTSP stream	TCP	Bidirectional	Camera/client	RTSP (video) stream.
1900	UPnP	UDP	Bidirectional	Any	UPnP.
1900	AD discovery	SSDP	Bidirectional	Any	veAutoDiscSSDP, discovery of devices, close after setup.
2980	AD discovery	UDP	Bidirectional	Any	veAutoDiscScan, discovery of devices, close after setup.
3389	RDP	TCP	Bidirectional	RCP client	xrdp.
3702	AD discovery	UDP	Bidirectional	Web Server/ Any	veAutoDiscovery WSDiscovery, discovery of devices, close after setup.
5353	AD discovery	UDP	Bidirectional	Any	veAutoDiscMDNS, discovery of devices, close after setup.

Table 5: VideoEdge port assignments

Port / range	Process / service	Transport protocol	Direction	Destination system	Description
6000-6199	RTP/RTCP	UDP	Bidirectional	Camera/client	RTP/RTCP.
8848	AD discovery	UDP	Bidirectional	Any	autoDiscADPort8848, discovery of devices, close after setup.
8989	Update File Server	TCP	Outbound	vAS	Communication from vAS to VideoEdge for incremental updates or camera firmware updates.
8992	AD discovery	UDP	Bidirectional	Any	veAutoDiscADScanPort, discovery of devices, close after setup.
8991	Push upgrade	TCP	Outbound	vAS	VideoEdge software updates.
9000-9511	Multicast	UDP	Bidirectional	Camera/ Client	Multicast port range.
12345	AD discovery	UDP	Bidirectional	Any	autoDiscADPort12345, discovery of devices, close after setup.
27000-27010	Centralized licensing	TCP	Bidirectional	vAS or SAS	Centralized licensing for VideoEdge.
32200-38199	victor Client UDP communication	UDP	Bidirectional	victor Client	Default VideoEdge UDP port range, for victor Client connections.
32200-38199	AD discovery	UDP	Bidirectional	Any	veAutoDiscMDNS, discovery of devices, close after setup.
32200-38199	AD discovery	UDP	Bidirectional	Any	veAutoDiscScan, discovery of devices, close after setup.
32200-38199	AD discovery	UDP	Bidirectional	Any	veAutoDiscSSDP, discovery of devices, close after setup.
32200-38199	UPnP	UDP	Bidirectional	Any	nvrupnpn.
32200-38199	AD discovery	UDP	Bidirectional	Any	veAutoDiscSSD, discovery of devices, close after setup.
32200-38199	AD discovery	UDP	Bidirectional	Any	veAutoDiscWSDi, discovery of devices, close after setup.
55555	Transmit manager	TCP	Bidirectional	VideoEdge NVR	Remote transcoding.

Integration ports

Table 6: Integration port assignments

Port / range	Process / service	Transport protocol	Direction	Destination system	Description
80	Dedicated Micro	TCP	Bidirectional	Dedicated Micro Recorder	Dedicated Micro video recorder.
1001	Elpas	TCP	Bidirectional	Elpas	Elpas real time location.
1025 - 65535	DMP	TCP	Bidirectional	Intrusion Panel	DMP communication.
1025	Sur-Guard	TCP	Bidirectional	Sur-Guard	Sur-Guard communication.
2004 - 2005	KONE Elevator	TCP	Bidirectional	KONE Elevator	KONE Elevator.
3001	Commend	TCP	Bidirectional	Commend Server	Commend intercom server.
3072	ITV2	TCP	Bidirectional	DSC PowerSeries	ITV2 DSC PowerSeries Neo, command port number is 3072, alarm port number can be 1 to 5 digits.
4040, 5050, 6060	Schindler Elevator	TCP	Bidirectional	Schindler Elevator	Schindler Elevator, port 6060 is for live reporting.
5001	TOA	TCP	Bidirectional	TOA Server	TOA intercom server.
5050	Mastermind	TCP	Bidirectional	Mastermind System	Mastermind alarm management.
7800	Bosch	UDP	Bidirectional	Bosch	Bosch receiver port.
7900	Bosch	UDP	Bidirectional	Bosch	Bosch receiver port.
8038 - 8041	ThyssenKrupp Elevator	UDP	Bidirectional	ThyssenKrupp Elevator	ThyssenKrupp Elevator.
8801 - 8802	Entrapass	TCP	Bidirectional	Entrapass Server	Entrapass Access Control. Use port number 8802 for HTTPS.
8985	Base Address of Driver Service	TCP	Bidirectional	vAS	location = server base for drivers for VideoEdge, Intellex. Used to drive communication.
10001 - 10002	serial	TCP	Bidirectional	Lantronix	DSC serial through Lantronix and Simplex 4100U serial through Lantronix.

Table 6: Integration port assignments

Port / range	Process / service	Transport protocol	Direction	Destination system	Description
10001 - 10002	Galaxy	TCP	Bidirectional	Honeywell Galaxy panel	Honeywell Galaxy panel or alarm port, command port number is fixed port number 10001 alarm port number can be 1 to 5 digits.
22609	HDVR Admin/Line/Alarm Port	TCP	Bidirectional	HDVR	HDVR Admin/Line/Alarm Port.
30000	CEM	TCP	Bidirectional	CEM CDC	CEM Access Control.
45303, 45307, 45308, 46307, 46308, 47307	Otis Elevator	UDP	Bidirectional	Otis Elevator	Otis Elevator.
47808	MZX	UDP	Bidirectional	MZX	MZX fire detection integration.
47808	BACNet	TCP	Bidirectional	BACNet controller	BACNet Building Management.