PORT COMPATIBILITY GUIDE

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DMP PORT COMPATIBILITY GUIDE

Below are the ports you may need for compatibility with DMP products, services, and features. Ports are described by the type of DMP product or service for your applications.

MONITORING CENTER

TRANSMIT TO MONITORING CENTER VIA NETWORK	
Outbound TCP Port 2001	The DMP control panel transmits to the monitoring center on port 2001 TCP by default for network and on 2001 UDP on cellular. This value is programmable and may change from the default of 2001 if the panel is programmed as such, requiring the port to also be changed on the firewall. If the panel is using cellular, firewall changes are not necessary as the panel will be using the cellular network to communicate.

VIRTUAL KEYPAD & DEALER ADMIN

VIRTUAL KEYPAD & DEALER ADMIN MANAGEMENT SERVICES	
Outbound TCP Port 4001: Host Server Connections	For initiating network connections to the remote SecureCom™ EASYconnect™ servers. This strategy is used on DMP network control panels only. It may require an outbound port exception on the firewall in some cases. Panels using SecureCom cellular devices do not require any additional configuration. Destination: *Please refer to the DMP Panels URLs chart.* **Note:** The panel transmits to the SecureCom Wireless server environments on port 4001 TCP for network/EASYconnect.
Outbound TCP Port 6001: Weather & Sunrise/Sunset Schedules	For requesting weather updates. Weather requests and sunset/sunrise requests on network occur hourly, and on cellular they occur four times daily (5 a.m., 10 a.m., 5 p.m. and 10 p.m.) based on the time zone for which the panel is programmed. Weather may then be displayed on the keypad of the DMP system. In addition, this port is necessary to get sunrise and sunset times for schedules that rely on them. May require an outbound port exception on the firewall in some cases. Panels using SecureCom cellular devices don't require any additional configuration. Destination: *Please refer to the DMP Panels URLs chart.* **Note:** The panel transmits to the SecureCom Wireless server environments on port 6001 TCP for network and on 6001 UDP on cellular.
Outbound TCP Port 7001: Real-time events	For sending panel events (opening, closing, etc.), real-time status and other updates to the SecureCom servers. Events are then displayed in the Virtual Keypad app and on the Dealer Admin™ site. This port is also used to send the daily analytic message to the SecureCom servers. This diagnostic message contains cell signal strength highs and lows, voltages, communication retries over the last 24 hours, etc. May require an outbound port exception on the firewall in some cases. Panels using SecureCom cellular devices don't require any additional configuration. Destination: *Please refer to the DMP Panels URLs chart.* **Note:** The panel transmits to the SecureCom Wireless server environments on port 7001 TCP for network/EASYconnect and on 7001 UDP on cellular.
DEALER ADMIN, VIRTUALKEYPAD.COM, VIRTUAL KEYPAD IOS AND ANDROID APPS	
Outbound TCP Port 443 (TLS)	Allows users to connect to all available management and app services. Users must use a browser that supports TLS 1.1, at minimum. **Note:** SSL has been disallowed for security reasons, only TLS is accepted.

XV GATEWAYS WITH ALARMVISION®

The XV Gateway will auto update to the latest software once it is connected to the internet. Please allow up to 30 minutes to update before arming your system with AlarmVision®. If the XV Gateway is being installed on a restricted network, please ensure the following URLs and ports are unblocked.

New critical services on additional ports may be added in future. If not monitoring and acting on announcements of updates to this document, please follow the "STRONGLY RECOMMENDED" list of ports rather than the "Minimal" one.

OUTBOUND TO INTERNET		
Whitelist Entries	**Ports**	**Description**
camect.securecomwireless.com	10443/TCP	DMP XV Gateways cloud services & configuration
video1.whitelist.camect.com video2.whitelist.camect.com video3.whitelist.camect.com video4.whitelist.camect.com	STRONGLY RECOMMENDED (to avoid maintenance issues): TCP: all ports UDP: all ports Minimal list: TCP: 3478, 19302 UDP: 3478, 19302	WebRTC traffic and associated infrastructure for video streaming. Currently this is limited to TURN and STUN services on ports 3478 and 19302. Allowing all ports allows flexibility for changes to be made to this in future.
cloud1.whitelist.camect.com cloud2.whitelist.camect.com cloud3.whitelist.camect.com cloud4.whitelist.camect.com	STRONGLY RECOMMENDED (to avoid maintenance issues): TCP: All ports UDP: 53 Minimal list: TCP: 9998, 8888, 3443, 443, 80 UDP: 53	Camect's main cloud service, used to support operation, management, and licensing of gateways, coordination to set up WebRTC connections, monitoring of gateway health, and a ddns-like service for gateways.
connectivity1.whitelist.camect.com connectivity2.whitelist.camect.com connectivity3.whitelist.camect.com connectivity4.whitelist.camect.com	ICMP ping and ping response	Used to ensure gateway network hardware is working and able to connect to the internet properly. Destinations are tested using ICMP ping.
ntp1.whitelist.camect.com ntp2.whitelist.camect.com ntp3.whitelist.camect.com ntp4.whitelist.camect.com	UDP: 123	Network time protocol servers that are used to keep the time accurate.
swupdate1.whitelist.camect.com swupdate2.whitelist.camect.com swupdate3.whitelist.camect.com swupdate4.whitelist.camect.com	TCP: 443, 80	AI Model updates. A gateway can operate without model updates, but users will be unable to receive improved AI detections.
aimodel1.whitelist.camect.com aimodel2.whitelist.camect.com aimodel3.whitelist.camect.com aimodel4.whitelist.camect.com aimodel5.whitelist.camect.com	TCP: 443, 80	AI model updates and feedback sharing. A gateway can operate without model updates, but users will be unable to report AI problems or to receive the results of model updates from their feedback and feedback of others.
dns1.whitelist.camect.com dns2.whitelist.camect.com dns3.whitelist.camect.com dns4.whitelist.camect.com	UDP: 53	DNS servers that are known to work reliably with the software update system. Software update validation has stringent requirements on DNS – we have seen many cases where software updates fail even though local DNS servers appear to be usable for other purposes.
DNS	Port 53	Ensure the XV Gateways can send and receive DNS traffic.

OUTBOUND TO LOCAL NETWORK	
9011/TCP	XV Gateway to DMP panel communication.
554/TCP	XV Gateway to camera video streaming.
554/UDP	XV Gateway to camera video streaming.
3702/UDP	WS-Discovery for XV Gateways to the DMP panel, camera (ONVIF discovery) and future support. WS-Discovery is a multicast protocol.
7946/TCP and 7946/UDP	For future support when clustering AlarmVision devices.
1025/UDP	For future support when clustering AlarmVision devices.
INBOUND FROM LOCAL NETWORK	
9001/TCP	DMP panel to XV Gateway communication.
7946/TCP and 7946/UDP	For future support when clustering AlarmVision devices.
1024/UDP	For WS-Discovery responses from the DMP Panel. WS-Discovery is a multicast protocol.
1025/UDP	For future support when clustering AlarmVision devices.

TRANSMITTING VIDEO VERIFICATION TO MONITORING CENTER		
Whitelist Entries	**Ports**	**Description**
h.home.camect.com	443/TCP	For Camect web services.
video1.whitelist.camect.com video2.whitelist.camect.com video3.whitelist.camect.com video4.whitelist.camect.com	STRONGLY RECOMMENDED (to avoid maintenance issues): TCP: all ports UDP: all ports Minimal list: TCP: 3478, 19302 UDP: 3478, 19302	WebRTC traffic and associated infrastructure for video streaming. Currently this is limited to TURN and STUN services on ports 3478 and 19302. Allowing all ports allows flexibility for changes to be made to this in future.
cloud1.whitelist.camect.com cloud2.whitelist.camect.com cloud3.whitelist.camect.com cloud4.whitelist.camect.com	STRONGLY RECOMMENDED (to avoid maintenance issues): TCP: All ports UDP: 53 Minimal list: TCP: 9998, 8888, 3443, 443, 80 UDP: 53	Camect's main cloud service, used to support operation, management, and licensing of gateways, coordination to set up WebRTC connections, monitoring of gateway health, and a ddns-like service for gateways.

IMMIX Integration

INBOUND (MUST BE FORWARDED FROM THE IMMIX IP ADDRESS TO THE XV GATEWAY)	
HTTPS: TCP/443	Used by IMMIX to gather camera and alert information from the XV Gateway
RTSP: TCP/554 and UDP/554	Video streaming from XV Gateway to IMMIX **Source:** Hostname provided by your IMMIX provider
OUTBOUND	
SMTP: TCP/25	Alerts from XV Gateway to IMMIX. Destination: *Same address used in the SMTP Server field in Dealer Admin Final Setup.* **Note:** If your ISP blocks port 25, try port 1025. If port 1025 is also blocked, contact your ISP.

OTHER STANDARD PORTS	
UDP Port 53 (DNS)	A common port that allows host name to IP resolution and is an IP standard.
TCP Port 443 (SSL/TLS)	A common port that secures HTTP communications to web servers.
TCP Port 80 (HTTP)	The standard port for unencrypted HTTP communication. TLS is a preferred communication method as all communication is encrypted.

DMP VIDEO CAMERA PRODUCTS

V6000 SERIES SECURECOM CAMERAS		
Whitelist Entries	**Ports**	**Description**
time.windows.com	123/UDP	Update camera time.
camtun.securecomwireless.com	1194/UDP	EASYconnect VPN.
camcheck.securecomwireless.com	80/TCP	Camera check-ins.
hclips.securecomwireless.com	22 and 8080/TCP	Send video clips.
4000 SERIES & 5000 SERIES (DW) CAMERAS		
time.nist.gov	123/UDP	Update camera time.
dwcamtun.securecomwireless.com	1194/UDP	EASYconnect VPN.
dwcamcheck.securecomwireless.com	443/TCP	Camera check-ins.
dwvidclp.securecomwireless.com	80/TCP	Send video clips.
SECURECOM NVR		
time.windows.com	123/UDP	Update camera time.
camtun.securecomwireless.com	1194/UDP	EASYconnect VPN.
camcheck.securecomwireless.com	443/TCP	Camera check-ins.

V-4061DB VIDEO DOORBELL	
8000	Data transfer, ONVIF.
554	RTSP.
80	HTTP port.
443	HTTPS port.
31006	DAS server.
8666	LBS server.
6000	P2P server.
7760	

8860 KEYPAD	
Ports	**Description**
80/TCP/UDP and 554/TCP/UDP	View cameras on local network.

REMOTE LINK AND SYSTEM LINK

REMOTE LINK & SYSTEM LINK AT DMP CONTROL PANEL	
Inbound TCP Port 2001	For accepting connections from Remote Link™/System Link™ or the Virtual Keypad™ servers when the connection strategy is set to “Network.” May require a NAT, public IP address and/or firewall rules to work correctly.
REMOTE LINK & SYSTEM LINK AT PC AND/OR SERVER	
Outbound TCP Port 2001	For connecting to SecureCom servers to facilitate a connection to DMP cellular control panels. This port is configurable in the panel settings. If changed in the panel it will need to be adjusted here as well. In some cases, it may require an outbound port exception on the firewall.
Direct Cell Connection Port 3001	For connecting to the alarm panel via direct cell connections on a private VPN. (Requires data center level network engineering support and agreements). Requires Entré or Remote Link software. This port is not configurable in the panel settings.
Outbound TCP Port 443 (TLS)	Allows users to connect to all available management and app services. Users must use a browser that supports TLS 1.1, at minimum.  **Note:** SSL has been disallowed for security reasons, only TLS is accepted.
Outbound TCP Port 443 (TLS)	For connecting to the SecureCom Wireless provisioning servers. This allows for the activation, disconnect and status of SecureCom Wireless provisioned devices. May require an outbound port exception on the firewall in some cases.  **Note:** SSL has been disallowed for security reasons, only TLS 1.1 and higher are supported.

ENTRÉ

ENTRÉ	
Inbound TCP Port 2011	For accepting connections from the Entré™ application server. **Note:** May require a NAT, public IP address and/or firewall rules to work correctly.

ENTRÉ PORTS	
2001	Allows the panel to receive programming from Entré.
1433	The Microsoft SQL database port.
443	The Web Server port for SSL configuration.
8080	The Web Server port when using Apache Tomcat for incoming and outgoing information.
1236 & 1237	The client ports.
9090 & 9091	The debugging ports for the app server and can only be accessed locally.

NETWORK DEVICES	
Inbound TCP Port 2002	For accepting connections from 734N Network Access Control Modules, 714N-POE Network Zone Expander Modules, 8860 7-inch Touchscreen Keypads, and 7436 Thinline Keypads that are remote to the control panel. **Note:** While these are typically on the same local area network (LAN), some may require a NAT, public IP address and/or firewall rules to work correctly.

X1 ACCESS CONTROL SYSTEMS

VIRTUAL KEYPAD & DEALER ADMIN MANAGEMENT SERVICES	
Outbound TCP Port 4001: Host Server Connections	For initiating network connections to the remote SecureCom™ EASYconnect™ servers. This strategy is used on DMP network control panels only. It may require an outbound port exception on the firewall in some cases. Panels using SecureCom cellular devices do not require any additional configuration. Destination: *Please refer to the DMP Panels URLs chart.* **Note:** The panel transmits to the SecureCom Wireless server environments on port 4001 TCP for network/EASYconnect.
Outbound TCP Port 6001: Weather & Sunrise/Sunset Schedules	For requesting weather updates. Weather requests and sunset/sunrise requests on network occur hourly, and on cellular they occur four times daily (5 a.m., 10 a.m., 5 p.m. and 10 p.m.) based on the time zone for which the panel is programmed. Weather may then be displayed on the keypad of the DMP system. In addition, this port is necessary to get sunrise and sunset times for schedules that rely on them. May require an outbound port exception on the firewall in some cases. Panels using SecureCom cellular devices don't require any additional configuration. Destination: *Please refer to the DMP Panels URLs chart.* **Note:** The panel transmits to the SecureCom Wireless server environments on port 6001 TCP for network and on 6001 UDP on cellular.
Outbound TCP Port 7001: Real-time events	For sending panel events (opening, closing, etc.), real-time status and other updates to the SecureCom servers. Events are then displayed in the Virtual Keypad app and on the Dealer Admin™ site. This port is also used to send the daily analytic message to the SecureCom servers. This diagnostic message contains cell signal strength highs and lows, voltages, communication retries over the last 24 hours, etc. May require an outbound port exception on the firewall in some cases. Panels using SecureCom cellular devices don't require any additional configuration. Destination: *Please refer to the DMP Panels URLs chart.* **Note:** The panel transmits to the SecureCom Wireless server environments on port 7001 TCP for network/EASYconnect and on 7001 UDP on cellular. For determining online or off-line status of the X1 Series™. This is used on the X1s only, and they are sent every 10 minutes over the network and every hour over cell. X1s using SecureCom cellular devices don't require additional configuration.
Outbound TCP Port 8463	For keeping the time up to date. The X1 Series will request time from SecureCom servers using this port. This is used on the X1s only, and time is only requested once every day, as well as on power up and on a reset. May require an outbound port exception on the firewall in some cases. X1s using SecureCom cellular devices don't require additional configuration.

SCS-VR VIRTUAL RECEIVER FOR MONITORING CENTERS

SCS-VR VIRTUAL RECEIVER PORTS	
Outbound 1433	The outbound Microsoft SQL default port.
Inbound TCP/ UDP Port 2001	The default inbound TCP/UDP panel communication port for the first group created. If a second group is created, it will default to 2002. Users may define any listening port they like. As such, any additional ports defined may need to be accepted by the user.
Inbound TCP Port 3001	The primary TCP inbound automation server port. This port listens for automation to connect if inbound automation has been enabled.
Inbound TCP Port 4001	The secondary TCP inbound automation server port. This port listens for automation to connect if inbound automation has been enabled.
Outbound TCP Port 2002	The primary and secondary TCP outbound automation server port. Individual IPs may be entered to designate specific destinations.

DMP PANEL URLS

VERSION 211 OR LATER		
XR Series	XT Series	X1 Series
XRtunnel.securecomwireless.com	XTtunnel.securecomwireless.com	X1tunnel.securecomwireless.com
XRweather.securecomwireless.com	XTweather.securecomwireless.com	X1weather.securecomwireless.com
XRactivity.securecomwireless.com	XTactivity.securecomwireless.com	X1activity.securecomwireless.com
VERSION 202 OR EARLIER		
ALL PANELS: tunnel.securecomwireless.com		
ALL PANELS: weather.securecomwireless.com		
ALL PANELS: activity.securecomwireless.com		