HIKVISION

HikCentral V1.3
Port List

System Ports

The following ports are used for the regular transmission of the signaling and data in HikCentral V 1.3. You may need to forward these ports on routers for WAN access or allow them for firewalls according to your software deployment or network structure.

Destination	Port	Source[1]	Function and Description	Solution if Conflicted
VSM (Video Surveillance Management) Service				
NGINX	80 (TCP)	Web Client, Control Client	Used for Web Client & Control Client access in HTTP protocol	Edit it in Service Manager.[2]
NGINX	443 (TCP)	Web Client, Control Client	Used for Web Client & Control Client access in HTTPS protocol	Edit it in Service Manager.[2]
VSM	14200 (TCP)	VSM (Remote Site)	Used for Remote Site registration to the Central System.	Edit it in Service Manager.
VSM	15300 (TCP and UDP)	3rd Party System	Used for receiving generic events.	Edit it in Service Manager.
Streaming Gateway	554 (TCP)	Control Client	Used for getting stream for live view (real-time streaming port).	Edit it in Service Manager.
Streaming Gateway	559 (TCP)	Web Client via Google Chrome or Firefox	Used for getting stream for Google Chrome or Firefox (WebSocket port).	Edit it in Service Manager.
Streaming Gateway	10000 (TCP)	Control Client	Used for getting stream for playback (video file streaming port).	Edit it in Service Manager.
Keyboard Proxy Service	8910 (TCP)	Network Keyboard	Used for network keyboard to access the Keyboard Proxy Service.	Edit it in Service Manager.
NTP (Network Time Protocol) Service	123 (UDP)	Servers & Device	NTP server for time synchronization.	Edit the port of another system that occupies 123.
Streaming Service				
Streaming Service	554 (TCP)	Control Client	Used for getting stream for live view.	Edit it in Service Manager.
Streaming Service	559 (TCP)	Web Client via Google Chrome or Firefox	Used for getting stream for Google Chrome or Firefox.	Edit it in Service Manager.
Streaming Service	10000 (TCP)	Control Client	Used for getting stream for playback.	Edit it in Service Manager.
Streaming Service	6001 (UDP)	VSM	The port for the network management agent.	Edit it in Service Manager.

1: The port that the source uses for initiating a communication is random.

2: The VSM server's port 80 and 443 **CANNOT** be modified to the following: 1, 7, 9, 11, 13, 15, 17, 19, 20, 21, 22, 23, 25, 37, 42, 43, 53, 77, 79, 87, 95, 101, 102, 103, 104, 109, 110, 111, 113, 115, 117, 119, 123, 135, 139, 143, 179, 389, 465, 512, 513, 514, 515, 526, 530, 531, 532, 540, 556, 563, 587, 601, 636, 993, 995, 2049, 3659, 4045, 6000, 6665, 6666, 6667, 6668, and 6669.

The added device usually uses 80, 8000, and 554 ports for communication. Allow/forward theses ports on the added device if needed. Please consult your local support for detailed ports of devices.

Device Port	Source	Description
80	Web Client	Direct streaming from device to Web Client
8000	VSM, Control Client	Adding device; Direct streaming from device to Control Client
554	Streaming Server	Streaming from device to Streaming Server

Allowing Port on Firewall

If the service and source are deployed on separate server, corresponding service port should be allowed on the firewall as an inbound rule, for example:

Control Client sends live view request to Streaming Server

Allow 554 port on firewall of Streaming Server
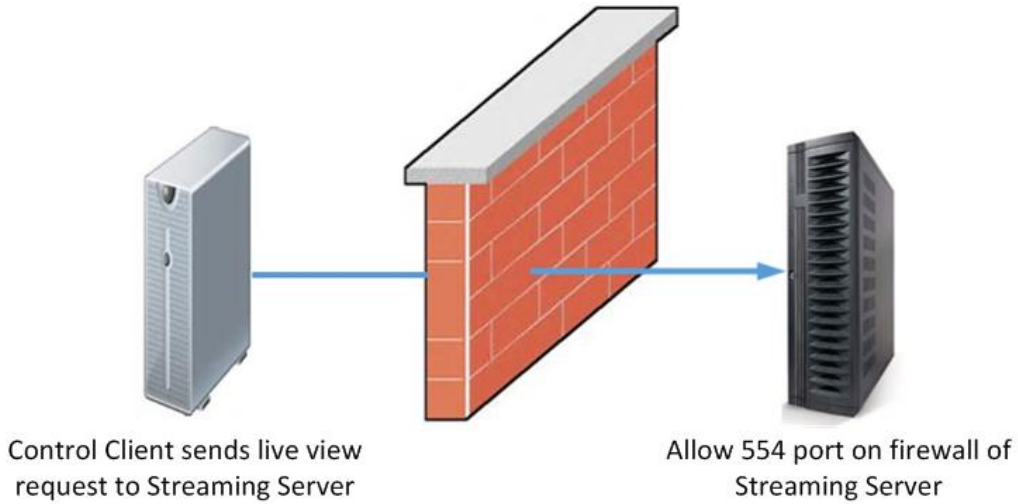
If ports cannot be allowed on the firewall, you can also allow the service/process on the firewall to ensure the communication. Please choose the firewall strategy according to the actual situation.

Forwarding Port on Router

If the service and source are deployed in different LANs, corresponding service port should be forwarded on the router.

Control Client sends live view request to Streaming Server

Forward 554 port of Streaming Server on router

See Far, Go Further