VideoXpert™ Connect
VIDEO STREAM RELAY SOFTWARE

Product Features

- A stand-alone service that allows 3rd party systems to request video content from a VideoXpert system
- Provides customized RTSP endpoints to relay a stream from VideoXpert through VxConnect to the external destination
- Simple configuration and setup, allowing 3rd party clients to receive streams quickly and seamlessly

- Includes a fully functional Administration Portal to manage credentials and permissions of clients requesting video from your VX system
- Capabilities can be expanded using plug-ins, which provide additional features beyond basic stream requests, such as PTZ, ONVIF discovery and SNMP interfaces.l

VideoXpert Connect is a stand-alone service that allows third-party systems to request video content from a VideoXpert system. VxConnect provides customized RTSP endpoints to relay a stream from VideoXpert through VxConnect to the external destination.

Using VxConnect, no integration work is required to connect VideoXpert streams with third-party streams.

Configuration and setup of VxConnect is simple; third-party clients can be receiving streams quickly and seamlessly.

VxConnect includes a fully functional Administration Portal to manage credentials and permissions of clients requesting video from your VX system.

VxConnect capabilities can be expanded through the use of plug-ins, which provide additional features beyond basic stream requests, such as PTZ, ONVIF discovery and SNMP interfaces Plug-ins include:

- **REST Plugin** – Provides the ability to control PTZ devices using a RESTful interface
- **ONVIF Plugin –** Exposes an ONVIF interface for the VxConnect Service, and allows ONVIF clients to discover and connect to streams as well as control PTZ devices. In this manner, VxConnect can present as simply additional cameras on a 3rd party VMS or Access Control system
- **NTCIP Plugin** – Provides the ability to control PTZ devices using an SNMP interface that conforms with the strict NTCIP standard

VXCONNECT BOUNDARIES AND LIMITATIONS

Depending on stream bitrates and the hardware used to run VxConnect, the number of active simultaneous streams available through a single instance of VxConnect will vary. On Pelco's CMG hardware, up to 50 simultaneous streams can be active on a single instance of VxConnect. The amount of available upstream bandwidth from the VX site to the remote WAN sites can also be a limiting factor.

HARDWARE

VxConnect is designed to run on Windows software

Hardware Requirements	i5 Processor (7th Generation) or faster CPU
	32 GB of RAM or more
	Minimum 250GB of available storage for the Operating System and VxConnect software
Software Requirements	Windows 10 or Server 2012 or higher OS, 64 Bit

While VxConnect is designed to run on Commercial Off-the-Shelf (COTS) Hardware, should you wish to order hardware for VxConnect to run on, we recommend the "Core / Media Gateway" server hardware available from Pelco.

TO ORDER VX CONNECT

VxConnect is sold as a subscription-based software solution, based on the number of streams being sent externally from a VX system, and the additional expanded plugin requirements of a particular installer. Your Pelco Account Manager can discuss how to custom quote VxConnect as part of your total solution.

STANDARDS/ORGANIZATIONS

- Pelco is a member of the MPEG-4 Industry Forum
- Pelco is a member of the Universal Plug and Play (UPnP) Forum, Steering Committee
- Pelco is a member of the Universal Serial Bus (USB) Implementers Forum
- Pelco is a contributor to the International Standards for Organization / Electrotechnical Commission (ISO/IEC) Joint Technical Committee 1 (JTC1), "Information Technology," Subcommittee 29, Working Group 11
- Compliance, ISO/IEC 14496 standard (also known as MPEG-4)
- Compliance, International Telecommunication Union (ITU) Recommendation G.711, "Pulse Code Modulation (PCM) of Voice Frequencies"
- Compliance, Open Network Video Interface Forum (ONVIF) Profile S

SYSTEM DIAGRAM