The IndigoVision Video Stream Manager (VSM) enables cameras from a range of other manufacturers to be connected to the IndigoVision Control Center suite by using the industry standard RTSP protocol.

The VSM also provides powerful and integrated enterprise management of ultra-high resolution JPEG2000 video from Ultra 5K cameras.

The VSM is a software service that can be installed on a Windows server, giving total flexibility. The service enables multiple clients to stream video from the same camera, whilst only requiring a single stream from the camera to the VSM.

- Integrate a variety of third party cameras
- Live video streaming
- Supports up to 1000 RTSP cameras per server
- Supports ONVIF and IndigoVision’s Ultra 5K cameras
# Specification

## Live Video
- Live video streaming from RTSP cameras: MJPEG, MPEG4, H.264
- ONVIF PTZ Control
- Multicast from VSM to Control Center
- Live video streaming from Ultra 5K cameras: JPEG2000
- Multiple Streaming - up to ten different streams from each Ultra 5K for live viewing or recording

## Audio
- Not supported

## Recording and Playback
- Record video: MJPEG, MPEG4, H.264, JPEG2000
- Playback video
- Thumbnails, bookmarks

## Alarms and Events
- Supported*

## Supported Devices
- Cameras from a wide range of manufacturers including:
  - Axis
  - Bosch
  - Pelco
  - Samsung
  - Sony

## Supported Operating Systems
- Windows® Server 2016® (recommended), Windows® Server 2012 R2®, Windows® 8.1 (64-bit)®

## Recommended Hardware Specifications
- Intel Xeon E5-2620 v3, 16GB RAM (4x 4GB); Intel X520 10GB Ethernet Adapter; Windows® Server 2012 R2®
- Maximum incoming bandwidth (cameras to VSM), 1600Mbps
- Maximum outgoing bandwidth (VSM to Control Center and NVR), 7200Mbps
- Maximum number of RTSP cameras, provided the bandwidth is within the limits above: 1000
- Maximum number of Ultra 5K Cameras: 2

* Supports proxying events generated by ONVIF cameras

## VSM Software Diagram

![VSM Software Diagram](image-url)

- Up to 1000 RTSP cameras
- Maximum total incoming bandwidth: 1600Mbps
- Unlimited streams (with multicast)
- Maximum total outgoing bandwidth: 7200Mbps