



Release Notes – IP Server 7.0.1 & VI MonitorPlus

General Release

OVERVIEW

This document contains information regarding our latest development update with IP Server 7.0.1 and VI Monitor Client 7.0.1. This server update contains a new desktop client, VI MonitorPlus, a lightweight, optimized, enterprise-level, desktop client designed to improve video performance and overall user experience.

VI MonitorPlus: Recommended System Requirements

IP Server Version	VI MonitorPlus requires IP Server 7.0 or higher. VI Monitor users are able to connect to an upgraded server. VI Monitor is compatible with Version 7.0 Server, but Video Insight recommends using VI MonitorPlus.										
	<table border="1"><thead><tr><th></th><th>VI Monitor</th><th>VI MonitorPlus</th></tr></thead><tbody><tr><td>IP Server V 6.X or prior</td><td>Compatible</td><td>Not Compatible</td></tr><tr><td>IP Server V 7.X or higher</td><td>Compatible <i>(not recommended)</i></td><td>Compatible</td></tr></tbody></table>		VI Monitor	VI MonitorPlus	IP Server V 6.X or prior	Compatible	Not Compatible	IP Server V 7.X or higher	Compatible <i>(not recommended)</i>	Compatible	
	VI Monitor	VI MonitorPlus									
IP Server V 6.X or prior	Compatible	Not Compatible									
IP Server V 7.X or higher	Compatible <i>(not recommended)</i>	Compatible									
Processor/CPU	6th Generation or better Intel Core processor (3.1 GHz quad-core+)										
Memory	8GB+										
Network	1 Gb/s+										
Screen Resolution	1920 X 1080										

VI MonitorPlus

- **Feature Improvements:**

- Fully redesigned user interface and workflow
- Nvidia GPU Hardware Decoding - Supported on GTX 750Ti and up.
- Nvidia GPU H.265 Support - Supported on GTX 1050 and up.
- Intel GPU Hardware Decoding - Supported on Intel 4th Generation and up.
- Improved login and video performance
- Product Plug-In Support: Product plug-ins provide users with additional enhanced vertical functionality that can be loaded and used directly from VI MonitorPlus.
- Improved multiplex clipping in AVI/EXE formats
- Panasonic Camera Symantec SSL Certificate Support - Added the ability to authenticate HTTPS SSL connections on Panasonic Cameras using Symantec Certificates
- VCA support for Vehicle Incident Detection (VID) for new Panasonic PTZ cameras, WV-X6511, WV-X6531
- Improved static timeline with new multi camera motion log indicator
- Workspace creation landing page
- Send video to user(s) with optional memo field
- Master search field on navigational tree for cameras, views and maps
- Server/Camera navigational tree improvements
- Export video improvements
- Improved font options on Maps
- Workspace shortcuts, including return to workspace functionality
- Access control action panel on Facility Maps & Access Control event notifications panel
- H.265 software decoding support for VI MonitorPlus

- **Deprecated Features:**

- Thumbnail Preview on Timeline
- 1x, 2x, 3x Zoom support for Live
- Minimized mode
- Log Based Motion Event Searching with Thumbnails

- **Features Coming Soon:**

- Flexible Workspaces (Legacy Auto Fit)
- Camera View shortcuts
- Object Search
- Go To Time Feature for timeline
- Panorama Dewarping
- Fish eye view for 360 cameras
- Red Outline on Live Window
- Cycle Layouts
- Zoom Support with scroll wheel
- LPR Integration
- ROI interest on Snapshot
- PTZ Lock
- Force Digital PTZ checkbox for true PTZ cameras
- Guard Tour
- Iris button
- Full Screen Support (F11)
- Full 7.0 Video Wall integration

CAMERA INTEGRATIONS

Manufacturer	Model	Features
Verint (New Encoders)	S1704e S1708e S1712e S1724e	MPEG4 Video Capture Set Resolution Set Compression Set Frame rate
Verint (New Cameras)	S1950e S1970e S2600e S2610e S2700e	MPEG4 Video Capture Motion Detection Set Resolution Set Compression Set Frame rate 1x DI Capture 1x DO Trigger
DVTel (New Encoders)	DVT-7608e DVT-7612e	MPEG4 Video Capture Set Resolution Set Compression Set Frame rate
Panasonic (New Camera)	WV-V6430L	H265, H264, and JPEG Video Capture Dual Streaming Audio Capture Motion Detection Show Clock Set Codec Set Resolution Set Frame rate 1x DI Capture Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Clear Web Client JPEG
Panasonic (New Features)	WV-NM100	MPEG4 and JPEG Video Capture Set Resolution Set Compression 1x DO Trigger Pan/Tilt Preset Recall

Panasonic (Code Fix)	WJ-GXE500	Fixed an issue that prevented the Panasonic License checker from connecting to WJ-GXE500 encoders.
Cisco (Code Fix)	IPC-2421 IPC-2500 IPC-2520 IPC-2530	Fixed an issue that prevented the streaming of MPEG4 video from certain camera models. These cameras will now stream MPEG4 video.
Level One (Code Fix)	FCS-0010, WCS-0010 FCS-0020, WCS-0020 FCS-0040, WCS-0040 FCS-3031, FCS-3051	Fixed an issue that prevented the streaming of MPEG4 video from certain camera models. These cameras will now stream MPEG4 video.
Advidia (New Camera)	A-28-Z	H265 and H264 Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set Frame rate Flip 1x DI Capture 1x DO Trigger Zoom AUX Auto-Focus Web Client JPEG Auto Discovery Zero-License
Bosch (Code Fix)	All Bosch cameras streaming H264 Video.	Fixed an issue that could cause Bosch cameras to lose or corrupt H264 video. Now Bosch cameras can correctly capture and record H264 video.

<p>Advidia (New Camera)</p>	<p>A-300</p>	<p>H265 and H264 Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set Frame rate Flip 7x DI Capture 2x DO Trigger Draw Zoom Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete Web Client JPEG Auto Discovery Zero-License</p>
<p>DNS (Code Fix)</p>	<p>All IP cameras addressed via DNS.</p>	<p>Fixed an issue that prevented connecting to cameras that are addressed via DNS. Now it is once again possible to connect to cameras that are addressed via DNS.</p>
<p>Advidia (New Feature)</p>	<p>A-44-IR-V2, A-54-OD, A-54-V2, A-55, A-64, A-65, A-200, A-14, A-15, A-34, A-34W, A-35, A-42, A-44, A-44-IR, A-44-OD, A-45, A-46, A-47, A-54, VFD-300-IR-OD, VP-1, VP-4, VP-8, VP-16, VP-L16, E-37-V</p>	<p>Added the ability to restrict audio and video streaming to UDP packets, for use on networks where this makes sense.</p>
<p>Panasonic (New Feature)</p>	<p>Panasonic Cameras with Symantec SSL Certificates</p>	<p>Added the ability to Authenticate HTTPS SSL connections on Panasonic Cameras using Symantec Certificates.</p>

<p>Arecont (New Cameras)</p>	<p>AV4655 AV4656 AV6655 AV6656 AV10655</p>	<p>H264 Video Capture Motion Detection Set Resolution Set Compression Set Frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG AUX Auto-Focus</p>
<p>Panasonic (New Cameras)</p>	<p>WV-X6511 WV-X6531</p>	<p>H265 and H264 Video Capture Dual Streaming Audio Capture Motion Detection Show Clock Set Codec Set Resolution Set Compression Set Frame rate 3x DI Capture 1x DO Trigger Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete Draw Zoom Web Client JPEG Auto-Discovery Panasonic License</p>
<p>ONCAM (New Camera)</p>	<p>Evolution-12</p>	<p>H264 Video Capture Audio Capture Motion Detection Web Client JPEG 360 Degree De-Warp</p>
<p>Pelco (Camera Update)</p>	<p>Optera IMM12018 Optera IMM12027 Optera IMM12036</p>	<p>H264 Video Capture Dual Streaming Audio Capture VCA 1x DI Capture 1x DO Trigger Web Client JPEG</p>

<p>Pelco (New PTZ Cameras)</p>	<p>Spectra Enhanced Spectra Professional</p>	<p>H264 and JPEG Video Capture Dual Streaming Motion Detection VCA Audio Capture Set Resolution Set Compression Set Frame rate 1x DI Capture 1x DO Trigger Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete Web Client JPEG Auto-Discovery</p>
<p>Hanwha (New Cameras)</p>	<p>XNB-6000 XNB-8000 XND-6010 XND-6020 XND-6080 XND-8080 XNO-6080 XNO-8080 XNV-6010 XNV-6020 XNV-6080</p>	<p>H265, H264, and JPEG Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set Frame rate Flip 1x DI Capture 1x DO Trigger AUX Auto-Focus Web Client JPEG</p>
<p>D-Link (New Camera)</p>	<p>DCS-4703</p>	<p>H264 and JPEG Video Motion Detection Set Codec Set Resolution Set Compression Set Frame rate Web Client JPEG</p>
<p>Ubiquiti (New Cameras)</p>	<p>UVC UVC-Pro UVC-Dome UVC-Micro UVC-G3 UVC-G3-DOME</p>	<p>H264 Video Capture Dual Streaming Audio Capture Note: Camera must be in Stand-Alone mode.</p>

<p>Toshiba (New Cameras)</p>	<p>IK-WB30A IK-WD12A IK-WR12A</p>	<p>MPEG4 and JPEG Video Capture Audio Capture Motion Detection Show Clock Set Resolution Set Compression Set Frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG</p>
<p>Toshiba (New Camera)</p>	<p>IK-WD14A</p>	<p>H264, MPEG4 and JPEG Video Capture Audio Capture Motion Detection Show Clock Set Resolution Set Compression Set Frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG</p>
<p>Arecont (Audio Code Fix)</p>	<p>Single Channel Arecont Cameras that support Audio over RTSP.</p>	<p>Fixed an issue with certain Arecont cameras that caused the Video stream to become corrupt if the camera was also streaming audio.</p>
<p>Advidia (Feature Add)</p>	<p>A-47, Any camera with FW 5.3+</p>	<p>Enabled VCA Support for the A-47, And any Advidia Camera with firmware 5.3+</p>
<p>Advidia (New Cameras)</p>	<p>A-17-F A-18-F A-37-F A-37-FW A-38-F</p>	<p>H264 Video Capture Dual Streaming Motion Detection VCA Show Clock Set Resolution Set Compression Set Frame rate Flip Web Client JPEG Auto-Discovery Zero License</p>

<p>Advitia (New Cameras)</p>	<p>A-27-F A-28-F</p>	<p>H265 and H264 Video Capture Dual Streaming Motion Detection VCA Show Clock Set Codec Set Resolution Set Compression Set Frame rate Flip Web Client JPEG Auto-Discovery Zero License</p>
<p>Panasonic (New Feature)</p>	<p>WV-X6511 WV-X6531</p>	<p>Added VCA support for Vehicle Incident Detection (VID).</p>
<p>Veilux (New Feature)</p>	<p>All Veilux Cameras</p>	<p>Updated Veilux Camera Support to improve Web Client JPEG performance. Now Web Client JPEG images pulled from Veilux cameras may stream fast enough to support smooth video in S2 Integrations.</p>
<p>Winic (Code Fix)</p>	<p>W-HCVR7204 W-HCVR7208 W-HCVR7416</p>	<p>Fixed an issue that caused Winic Multi-Channel Encoders with multiple PTZ cameras to address each PTZ camera incorrectly. Now customers should be able to address each PTZ camera correctly.</p>
<p>Pelco (New Camera)</p>	<p>Pelco Optera Tiled Mode</p>	<p>H264 Video Capture Audio Capture VCA 1x DI Capture 1x DO Trigger Auto-Discovery</p> <p>Note: This model supports the IMM12018, IMM12027, and IMM12036 cameras in “Tiled” mode, which eliminates the need for the client to De-Warp the image.</p>

<p>Panasonic (New Feature)</p>	<p>WV-S1111 WV-S1112 WV-S1131 WV-S1132 WV-S1511L WV-S1531L WV-S2110 WV-S2111L WV-2130 WV-2131L WV-S2211L WV-S2231L WV-S2511L WV-S2531L</p>	<p>Added support Edge Recording support for Panasonic S-Series H265 cameras. These cameras should now support edge recording for H265 and H264 video streams.</p> <p>Note: This feature requires FW 1.43 and above.</p>
<p>Panasonic (New Encoder Feature)</p>	<p>WJ-GXE500</p>	<p>Updated code to support the WJ-GXE500 encoders.</p>
<p>Panasonic (New Cameras)</p>	<p>WV-X6511 WV-X6531</p>	<p>H265 and H264 Video Capture Dual Streaming Audio Capture Motion Detection Show Clock Set Codec Set Resolution Set Compression Set Frame rate 3x DI Capture 1x DO Trigger Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete Draw Zoom Web Client JPEG Auto-Discovery Panasonic License</p>

<p>Axis (New Cameras)</p>	<p>Q3504 Q3504-V Q3504-VE</p>	<p>H264 Video Capture Dual Streaming Motion Detection VCA Audio Capture Two-Way Audio Show Clock Set Resolution Set Compression Set Frame rate Flip 2x DI Capture 2x DO Trigger AUX Auto-Focus Web Client JPEG Auto Discovery</p>
<p>Hikvision (New 360 Camera)</p>	<p>DS-2CD6362</p>	<p>H264 Video Capture Dual Streaming Motion Detection VCA Audio Capture Two-Way Audio Show Clock Set Resolution Set Compression Set Frame rate 1x DI Capture 1x DO Trigger Pan/Tilt/Zoom Preset Recall Web Client JPEG De-Warp 360 Note: Motion Detection, VCA, and De-Warp 360 features work only on 360 Images. Note Note: Preset Recall does not recall the Zoom factor.</p>
<p>Arecont (New Camera Feature)</p>	<p>All 4th Generation or newer Arecont Cameras.</p>	<p>Added a feature to fix a camera firmware code that caused the camera to cease streaming or to stream corrupted video.</p>

Axis (New Camera Feature)	All non-PTZ Axis cameras with firmware 6.50 or above.	Added support for Axis VMD4 to cameras with firmware that support the feature.
Avigilon (New Encoder)	ENC-4P-H264	H264 and JPEG Video Capture Audio Capture Motion Detection Set Codec Set Resolution Set Compression Set Frame rate 4x DI Capture 4x DO Trigger Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall Web Client JPEG
Panasonic (New Feature)	WV-SC387 WV-SC588 WV-SW397 WV-SW397A WV-SW598 WV-SW598J WV-SUD638 WV-X6511 WV-X6531	Enabled AUX Auto-Tracking Support for select Panasonic PTZ Cameras.
Axis (New Feature)	P3343 P3343-V P3343-VE P3344 P3344-VP3344-VE	Added AUX Auto-Focus support to select Axis Cameras.
Dahua (Encoder Code fix)	All Dahua multi-channel encoders and OEMS.	Fixed an issue that prevented PTZ Presets from working on Dahua multi-channel encoders. It is now possible to Set, Recall, and Delete PTZ Presets for Analog PTZ Cameras connected to any input of a Dahua multi-channel encoder.
Panasonic (PTZ Codefix)	WV-V6430L	Fixed an issue that prevented all PTZ functions from working.

<p>Hanwha (New Cameras)</p>	<p>QND-6010, QND-6020 QND-6030, QND-6070 QND-7010, QND-7020 QND-7030</p> <p>QNO-6010, QNO-6020 QNO-6030, QNO-6070 QNO-7010, QNO-7020 QNO-7030</p> <p>QNV-6010, QNV-6020 QNV-6030, QNV-6070 QNV-7010, QNV-7020 QNV-7030</p>	<p>H265, H264, and JPEG Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG</p>
<p>Hanwha (New Cameras)</p>	<p>QND-7080 QNO-7080 QNV-7080</p>	<p>H265, H264, and JPEG Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG AUX Auto-Focus</p>
<p>Hanwha (New Multi-Sensor)</p>	<p>PNM-9020</p>	<p>H265, H264, and JPEG Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG</p>

<p>Hanwha (New Fisheye)</p>	<p>PNF-9010</p>	<p>H265, H264, and JPEG Video Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG 360 Degree De-Warp</p>
<p>Panasonic (New PTZ Cameras)</p>	<p>WV-S6111 WV-S6131</p>	<p>H265 and H264 Video Capture Dual Streaming Audio Capture Motion Detection VCA Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Edge Storage 3x DI Capture 1x DO Trigger Pan/Tilt/Zoom/Focus/Iris Preset Set/Add/Delete Draw Zoom AUX Auto Track Web Client JPEG Panasonic License</p>
<p>Panasonic (Codefix)</p>	<p>All Panasonic Cameras</p>	<p>Fixed an issue that prevented some Panasonic Cameras from being correctly discovered using Auto-Discovery. Now it should be possible to correctly Auto-Discover a Panasonic Camera even if you have not entered the camera's username and password.</p>

<p>Uniview (New H265 Fixed Cameras + AutoFocus)</p>	<p>IPC262E, IPC268E IPC2324, IPC3232 IPC3234, IPC3238 IPC3634</p>	<p>H265, H264, and JPEG Video Capture Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 2x DI Capture 1x DO Trigger Web Client JPEG AUX Auto-Focus</p>
<p>Uniview (New H265 Fixed Cameras – AutoFocus)</p>	<p>IPC314S, IPC324E IPC332E, IPC3614</p>	<p>H265, H264, and JPEG Video Capture Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 2x DI Capture 1x DO Trigger Web Client JPEG</p>
<p>Uniview (New H264 Fixed Cameras – AutoFocus)</p>	<p>IPC342E, IPC542E IPC2124, IPC2322 IPC3612</p>	<p>H264, and JPEG Video Capture Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set frame rate Flip 2x DI Capture 1x DO Trigger Web Client JPEG</p>

Uniview (New H265 360 Camera)	IPC814S	H265, H264, and JPEG Video Capture Motion Detection VCA Audio Capture Show Clock Set Compression Set frame rate 2x DI Capture 1x DO Trigger Web Client JPEG Auto-Discovery 360 De-Warp
Uniview (New H264 360 Camera)	IPC868E	H264, and JPEG Video Capture Motion Detection VCA Audio Capture Show Clock Set Compression Set Frame rate 2x DI Capture 1x DO Trigger Web Client JPEG Auto-Discovery 360 De-Warp
Uniview (New H265 PTZ Camera)	IPC744S IPC6222 IPC6252 IPC6258 IPC6852	H265, H264, and JPEG Video Capture Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Codec Set Resolution Set Compression Set Frame rate Flip 2x DI Capture 1x DO Trigger Pan/Tilt/Zoom/Focus Preset Set/Recall/Delete Web Client JPEG Auto-Discovery

<p>Advidia (New IP Cameras)</p>	<p>A-47-F A-47-F2.8</p>	<p>H264 Video Capture Dual Streaming Motion Detection VCA Audio Capture Show Clock Set Resolution Set Compression Set frame rate Flip 1x DI Capture 1x DO Trigger Web Client JPEG Auto-Discovery Zero-License</p>
<p>FLIR (New IP Camera)</p>	<p>FC-304-ID, FC-305-ID FC-309-ID, FC-317-ID FC-324-ID, FC-332-ID FC-344-ID, FC-608-ID FC-610-ID, FC-617-ID FC-632-ID, FC-644-ID</p>	<p>H264 Video Capture Motion Detection VCA 1x DI Capture Web Client JPEG AUX Polarity</p>