

Release Notes



IP Camera Firmware Version 1.7

Firmware Released July 22, 2014

The Release Notes apply to the following IP Camera models:

Model	Description
LV-D4-2MDI-312	Indoor Dome Camera, 4", 2MP, Full HD, Day/Night, IR, Audio In/Out, Micro SD Slot, 12VDC/PoE, 3.3-12mm Lens
LV-D4-2MDIV-312	Vandal Dome Camera, 4", 2MP, Full HD, Day/Night, IR, Audio In/Out, Micro SD Slot, 12VDC/PoE, 3.3-12mm Lens
LV-D4-3MDIWV312	Vandal Dome Camera, 4", 3MP, Full HD, Day/Night, IR, WDR, Audio In/Out, IP66, Micro SD Slot, 12VDC/PoE, 3.3-12mm Lens
LV-D4-5MIV-312	Vandal Dome Camera, 4", 5MP, Full HD, Day/Night, IR, Audio In/Out, IP66, Micro SD Slot, 12VDC/PoE, 3.3-12mm Lens
LV-D2-2MIV-3.6F	Mini Vandal Dome Camera, 2", 2MP, Full HD, IR, Audio In/Out, Micro SD Slot, 12VDC/PoE, 3.6mm Lens
LV-B2MDI-312	Bullet, Mini, Outdoor Camera, 2MP, IR, Day/Night, 1080p, SD Card Slot, IP66, 12VDC/PoE, 3.3mm-12mm Lens
LV-B3MDIW-312	Bullet, Mini, Outdoor Camera, 3MP, IR, Day/Night, IR, WDR, 2048x1536, SD Card Slot, IP66, 12VDC/PoE, 3.3mm-12mm Lens
LV-CAM-2M	Fixed Camera, 2MP, 12VDC/PoE, Audio, SD Card Slot, Full 1080p, Low Light, No Lens
LV-CAM-3MW	Fixed Camera, 3MP, 12VDC/PoE, WDR, Audio, SD Card Slot, 2048x1536, Low Light, No Lens
LV-CAM-5M	Fixed Camera, 5MP, 12VDC/PoE, Audio, SD Card Slot, 2592x1920, Low Light, No Lens

Firmware Release History

IP Camera Firmware version 1.7 – July 22, 2014

- 2MP Dome: support a better sensor (IMX222)
 - Firmware is backward compatible with previous sensor (IMX122)
- 3MP IP Cameras: WDR setting is now defaulted to Auto. Avoids video noise (static) in Night mode

IP Camera Firmware version 1.6

- Initial Firmware Release

Support

The purpose for the new firmware is to support the improved video sensor IMX222. Please see the notes below as to features, limitations and compatibility.

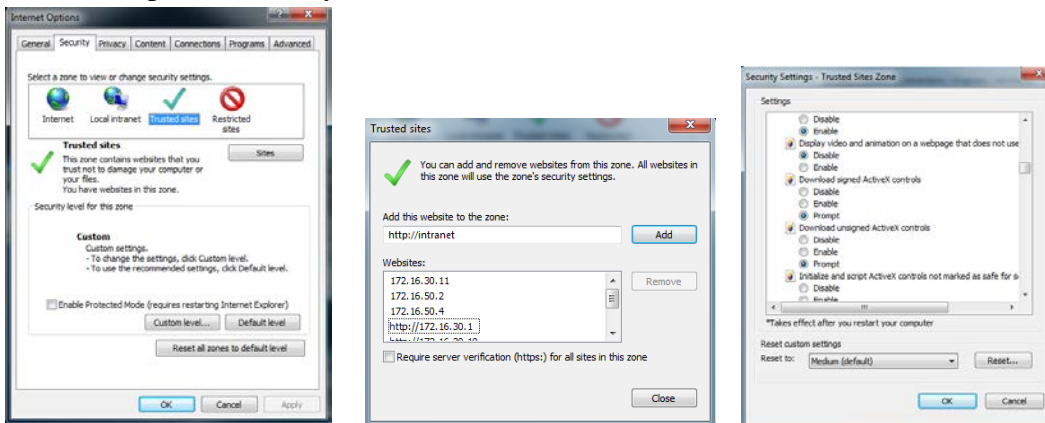
Audio

To enable Audio (including Bi-directional audio) on the Linear IP Cameras, Internet Explorer is required. You cannot receive audio on Google Chrome*, Apple Safari, Mozilla Firefox*, Opera* browsers.

*Chrome, Firefox, Opera have extensions that allow for Internet Explorer emulation. Linear does not provide technical support on these extensions. Use at your own risk.

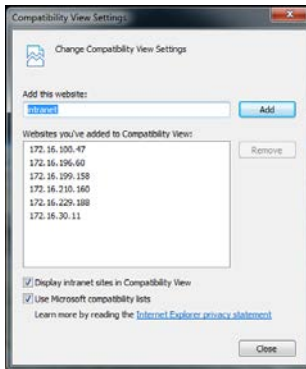
There are two steps to install ActiveX on Internet Explorer.

1. Internet Explorer Security Tab



- Access this menu in Internet Explorer through the Tools -> Internet Options Menu
- Click on the Security Tab. Click Trusted Sites. Click the Sites button
 - Enter the IP Address of you IP Camera. Click Close
- Now click on the Custom Level button.
 - Scroll down to “Download signed ActiveX controls” & “Download unsigned ActiveX controls”
 - Set both of these options to ‘Prompt’. Click OK
- Click OK to Save changes

2. Compatibility View Settings



- a. Access this menu in Internet Explorer through the Tools -> Compatibility View Menu
 - i. Enter the IP Address of the IP Camera(s). Click Add
 - ii. Click Close
- ### 3. Installing ActiveX control
- a. Login to the Live Video screen of the IP Camera
 - i. Click on the link “Click here to start playing live video with short delay widget”
 - ii. Click ‘Install’ on the prompt that appears
 - iii. You should now have live video with Audio Controls

Maximum Video streams supported

The IP Cameras use Flash and ActiveX technology to support video streams. The IP Cameras support up to 10 simultaneous users which may access and IP Camera video streams.

Accessing the IP Camera via Flash allows for two users to be connected and stream.

Accessing the IP Camera via ActiveX allows for 10 users to be connected and stream video. Using ActiveX enables Audio controls from the IP Camera.

Alarm Input Requirements

The IP Camera requires a 12V load on the Alarm Inputs to activate the Alarm Input on the IP Camera.

Viewing Live and Playback Video Limitations

Linear IP Cameras support 2MP, 3MP, 5MP resolutions. Currently the IP Cameras have limitations on which devices can view video. Please see table below for information.

IP Camera Model	Browser	Mobile Apps (iOS, Android)	QUADStor NVR On-screen Display	QUADStor NVR Web Browser
2MP	Live	Live / Playback	Live / Playback	Live / Playback
3MP	Live	Live (stream 2)	Live (stream 2)	Live / Playback
5MP	Live	Live (stream 2)	Live (stream 2)	Live / Playback

Note: With firmware version 1.7, the IP Camera Browser does not support video playback