
Release Notes

Illustra Essentials Series

Esse7 (Gen 3)

Illustra.Esse7.02.0.00.0002

Product Data

Visit the IP Cameras section of www.illustracameras.com to download datasheets and other documentation in PDF format.

October, 2019

Note: In case of discrepancy, the information in this document supersedes the information in any document referenced herein.

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The information contained in this release note relates to the following firmware:

	Product code	Model Name	Firmware Version	
G1	Generation 1 with 3.6mm Fixed Lens			
	IES01CFACWSY	Illustra Essentials 1MP Minidome	V2.420.0000.4.R.20150806	
	IES02CFACWSY	Illustra Essentials 2MP Minidome	V2.420.0000.0.R.20150805	
	IES01CFBCWIY	Illustra Essentials 1MP Minidome IR	V2.420.0000.4.R.20150806	
	IES02CFBCWIY	Illustra Essentials 2MP Minidome IR	V2.420.0000.0.R.20150805	
	IES01MFBNWIY	Illustra Essentials 1MP Bullet	V2.420.0000.4.R.20150806	
	IES02MFBNWIY	Illustra Essentials 2MP Bullet	V2.420.0000.0.R.20150805	
	Generation 1 with Vari-focal Fixed Lens			
	IES01D1OCWIY	Illustra Essentials 1MP Dome 2.8-12mm	V2.420.0007.0.R.20150715	
	IES02D1OCWIY	Illustra Essentials 2MP Dome 2.8-12mm	V2.420.0007.0.R.20150715	
	IES01B1BNWIY	Illustra Essentials 1MP Bullet 2.8-12mm	V2.420.0007.0.R.20150715	
	IES02B1BNWIY	Illustra Essentials 2MP Bullet 2.8-12mm	V2.420.0007.0.R.20150715	
	G2	Generation 2 with 3.6mm Fixed Lens		
		IES01CFBCWIYA	Illustra Essentials 1MP Minidome IR	V2.2.001.build20160227
IES02CFBCWIYA		Illustra Essentials 2MP Minidome IR	V2.2.001.build20160227	
IES01MFBNWIYA		Illustra Essentials 1MP Bullet	V2.2.001.build20160227	
IES02MFBNWIYA		Illustra Essentials 2MP Bullet	V2.2.001.build20160227	
Generation 2 with Vari-focal Fixed Lens				
IES01D1OCWIYA		Illustra Essentials 1MP Dome 2.8-12mm	Illustra.Esse5.01.01.00.0006	
IES02D1OCWIYA		Illustra Essentials 2MP Dome 2.8-12mm	Illustra.Esse5.01.01.00.0006	
IES01B1BNWIYA		Illustra Essentials 1MP Bullet 2.8-12mm	Illustra.Esse5.01.01.00.0006	
IES02B1BNWIYA		Illustra Essentials 2MP Bullet 2.8-12mm	Illustra.Esse5.01.01.00.0006	
G3	Generation 3 with Vari-focal Fixed Lens			
	IES02D1OCWIYB	Illustra Essentials 2MP Dome 2.7-12mm	Illustra.Esse6.01.02.00.0001	
	IES02B1BNWIYB	Illustra Essentials 2MP Bullet 2.7-12mm	Illustra.Esse6.01.02.00.0001	
	Generation 3 with 3.6mm Fixed Lens			
	IES02CFBCWIYB	Illustra Essentials 2MP Mini Dome IR	Illustra.Esse7.01.02.00.0003	
	IES02MFBNWIYB	Illustra Essentials 2MP Bullet	Illustra.Esse7.01.02.00.0003	
	Generation 3 with 3.6mm Fixed Lens			
	IES02D1OCWIYC	Illustra Essentials 2MP Dome 2.7-13.5mm	Illustra.Esse7.02.00.00.0002	
	IES02B1BNWIYC	Illustra Essentials 2MP Bullet 2.7-13.5mm	Illustra.Esse7.02.00.00.0002	

What's in this release

Illustra.Esse7.02.00.00.0002

Product Launch.

Product Code	Model Name	Firmware Version
IES02D1OCWIYC	Illustra Essentials 2MP Dome 2.7-13.5mm	Illustra Essentials 2MP Dome, 2.7-13.5mm, outdoor, vandal, clear, white, TDN w/IR, WDR
IES02B1BNWIYC	Illustra Essentials 2MP Bullet 2.7-13.5mm	Illustra Essentials 2MP Bullet, 2.7-13.5mm, outdoor, non-vandal, white, TDN w/IR, WDR

Adding H265 codec support to the following units

Generation 3 with 3.6mm Fixed Lens	
Illustra Essentials 2MP Mini Dome IR	Illustra.Esse7.01.02.00.0003
Illustra Essentials 2MP Bullet	Illustra.Esse7.01.02.00.0003
Generation 3 with Vari-focal Fixed Lens	
Illustra Essentials 2MP Dome 2.7-13.5mm	Illustra.Esse7.02.00.00.0002
Illustra Essentials 2MP Bullet 2.7-13.5mm	Illustra.Esse7.02.00.00.0002

Previous Releases

V2.420.0008.0.R.20180402 for Ess3 (Gen 1 with Vari-focal Lens)

Illustra.Esse6.01.02.00.0001 for Ess6 (Gen 3 with Vari-focal Lens)

Illustra.Esse7.01.02.00.0003 for Ess7 (Gen 3 with Fixed Lens)

- Implemented NTP (Network Time Protocol) and DST (Daylight Saving Time) integration through the camera iAPI.

Firmware Iustra.Esse7.01.02.00.0001

Resolved a reconnect that may occur at camera reboot when the camera integrates with ExacqVision Servers.

Esse7.01.01.00.0003.

Product Launch.

IES02CFBCWIYB	Illustra Essentials 2MP 3.6mm Fixed Lens Mini Dome IR	Illustra.Esse7.01.02.00.0001
IES02MFBNWIYB	Illustra Essentials 2MP 3.6mm Fixed Lens Bullet	Illustra.Esse7.01.02.00.0001

These cameras support the following features and integrations:

- Three stream encoding: H264 and MJPEG, H265
- Smart Encode
- Up to 30 Frames Per Second (FPS) /1080P or 720P @ H264 / H265
- Integration with VideoEdge Servers
- Integration with Holis Server
- Integration with ExacqVision Servers
- ONVIF Profile S Support.
- Compatible with Illustra Connect 3.0
- Compatible with Config Tools 3.20.9.170908
- Enhance cybersecurity backdoor vulnerability

Firmware upgrade

Download the camera firmware from the Illustra website. You can install the firmware using either the Config Tool (V3.20.9 or higher) or the utility function in the camera web interface.

Note:

Illustra recommends clearing your browser cache as part of the firmware upgrade procedure.

Ensure that your camera has sufficient power to complete the firmware upgrade procedure.

Upgrading the camera firmware using the Config Tool (V.3.20.9.170908 or higher)

To update the camera firmware using the Config Tool, complete the following steps:

1. Open the **Config** Tool and select **Batch Mode** at the top of the page.
2. Select all the cameras that you want to upgrade.
3. Select **Batch Upgrade**.
4. Select **Start**.
5. Select **Open**, and browse to the firmware upgrade file.
6. Select **OK** and wait until the progress bar is complete.

Note:

The file-type selection filter may need to be changed to **All Files**.

All existing camera settings are maintained when the firmware is upgraded.

Upgrading the camera firmware through the web user interface

You can upgrade the camera firmware through the camera web user interface.

To upgrade the camera firmware using the camera web user interface, complete the following steps:

1. Launch Internet Explorer and, type the IP Address of the camera in the address bar, and log on to the web user interface.
2. Select **Setup** from the web banner to access the setup menus.
3. Select **System**.
4. Select **Upgrade**.
5. Select **Browse**. The **Choose file** dialog will be displayed.
6. Navigate to the location where the firmware file is saved and click **Ok**.
7. Select **Upgrade** and wait until the progress bar completes.

Upgrading the camera firmware on the Holis Server (HOL4.001.000.004 or above)

To update camera firmware via the Holis Gen2 server, complete the following steps:

1. Open the Holis Gen2 4ch or 8ch server user interface.
2. Open the menu Setting/Remote/Upgrade.
3. Select all the cameras you want to upgrade which are working on Holis server.
4. Select correct file, then start to upgrade.
5. Select OK and wait until the progress bar is complete.

Firmware compatibility

Please reference the Illustra Essential firmware compatibility matrix below.

	Product code	Model Name	Firmware Compatibility	Firmware Version	
G1	Gen 1 with 3.6mm Fixed Lens				
	IES01CFACWSY	Illustra Essentials 1MP Minidome	V2.420.0000.4.R.20150806	V2.420.0000.4.R.20150806	
	IES02CFACWSY	Illustra Essentials 2MP Minidome	V2.420.0000.0.R.20150805	V2.420.0000.0.R.20150805	
	IES01CFBCWIY	Illustra Essentials 1MP Minidome IR	V2.420.0000.4.R.20150806	V2.420.0000.4.R.20150806	
	IES02CFBCWIY	Illustra Essentials 2MP Minidome IR	V2.420.0000.0.R.20150805	V2.420.0000.0.R.20150805	
	IES01MFBNWIY	Illustra Essentials 1MP Bullet	V2.420.0000.4.R.20150806	V2.420.0000.4.R.20150806	
	IES02MFBNWIY	Illustra Essentials 2MP Bullet	V2.420.0000.0.R.20150805	V2.420.0000.0.R.20150805	
	Gen 1 with Vari-focal Lens				
	IES01D1OCWIY	Illustra Essentials 1MP Dome 2.8-12mm	V2.420.0008.0.R.20180402	V2.420.0008.0.R.20180402	
	IES02D1OCWIY	Illustra Essentials 2MP Dome 2.8-12mm	V2.420.0008.0.R.20180402	V2.420.0008.0.R.20180402	
	IES01B1BNWIY	Illustra Essentials 1MP Bullet 2.8-12mm	V2.420.0008.0.R.20180402	V2.420.0008.0.R.20180402	
	IES02B1BNWIY	Illustra Essentials 2MP Bullet 2.8-12mm	V2.420.0008.0.R.20180402	V2.420.0008.0.R.20180402	
	G2	Gen 2 with 3.6mm Fixed Lens			
		IES01CFBCWIYA	Illustra Essentials 1MP Minidome IR	V2.2.003.build20160227	V2.2.003.build20160227
IES02CFBCWIYA		Illustra Essentials 2MP Minidome IR	V2.2.003.build20160227	V2.2.003.build20160227	
IES01MFBNWIYA		Illustra Essentials 1MP Bullet	V2.2.003.build20160227	V2.2.003.build20160227	
IES02MFBNWIYA		Illustra Essentials 2MP Bullet	V2.2.003.build20160227	V2.2.003.build20160227	
Gen 2 with Vari-focal Fixed Lens					
IES01D1OCWIYA		Illustra Essentials 1MP Dome 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.02.00.0001	Illustra.Esse5.01.01.00.0006	
IES02D1OCWIYA		Illustra Essentials 2MP Dome 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.02.00.0001	Illustra.Esse5.01.01.00.0006	
IES01B1BNWIYA		Illustra Essentials 1MP Bullet 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.02.00.0001	Illustra.Esse5.01.01.00.0006	
IES02B1BNWIYA		Illustra Essentials 2MP Bullet 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.02.00.0001	Illustra.Esse5.01.01.00.0006	
G3	Gen 3 with Vari-focal Fixed Lens				
	IES02D1OCWIYB	Illustra Essentials 2MP Dome 2.7-12mm	Illustra.Esse6.01.02.00.0001	Illustra.Esse6.01.02.00.0001	
	IES02B1BNWIYB	Illustra Essentials 2MP Bullet 2.7-12mm	Illustra.Esse6.01.02.00.0001	Illustra.Esse6.01.02.00.0001	

Generation 3 with 3.6mm Fixed Lens					
G3	IES02CFBCWIYB	Illustra Essentials 2MP Mini Dome IR	Illustra.Esse7.01.02.00.0003	Illustra.Esse7.01.02.00.0003	
	IES02MFBNWIYB	Illustra Essentials 2MP Bullet	Illustra.Esse7.01.02.00.0003	Illustra.Esse7.01.02.00.0003	
	Generation 3 with 3.6mm Fixed Lens				
	IES02D1OCWIYC	Illustra Essentials 2MP Dome 2.7-13.5mm	Illustra.Esse7.02.00.00.0002	Illustra.Esse7.02.00.00.0002	
	IES02B1BNWIYC	Illustra Essentials 2MP Bullet 2.7-13.5mm	Illustra.Esse7.02.00.00.0002	Illustra.Esse7.02.00.00.0002	

Known limitations and issues

The following table highlights known limitations or issues associated with the Illustra Essentials cameras for this release of firmware only:

Description	Suggested Work-Around
Config Tool: Ensure that MS Office is installed on the PC so that the Illustra Essential Config Tool can save configuration files. The software can terminate unexpectedly when MS Office is not installed.	Install MS Office software to save configuration files.
User is unable to upgrade the Essentials Camera firmware or set the date and time using the Illustra Connect Discovery tool.	You can upgrade the firmware using the Camera Web User Interface or you can use the Config Tool.
Batch configuration of IP addresses using the Essentials Config Tool is not always successful.	For any remaining camera that failed to change IP address, use the tool to change one IP at a time.
When you install the firmware, Illustra recommends that you do not downgrade to previous firmware.	After downgrading, it is necessary to use the CleanConfig function of the Config tool.
Opening a third stream when the main and sub streams, H264 and MJPEG, are configured at the maximum setting, might result in a gray screen display.	None.
On Gen 3 Varifocal cameras, the image loses detail on a dark scene.	Use a camera gain value of between 50 and 100 in low-light conditions.
On Gen 3 Varifocal cameras, after setting Wide Dynamic Range (WDR) or HLC, video wave might occur for some high light background scenes.	None.
Autumn DST change does not take effect.	None.

Description	Suggested Work-Around
On Essentials Gen 3 Varifocal cameras, the Multicast feature is enabled by default. On the Holis integration, this default setting can cause unrequired bandwidth.	Disable the Multicast default setting prior to integrating the camera with Holis.
For Essentials Gen3 fixed camera VENVR does not support H265 and H264 Smart-encode streaming and recording.	Only use H264 while integration with VideoEdge Rec

Contact information

If you have any questions regarding these release notes, please contact Tyco Security Products Technical Services at:

Toll Free: 800-507-6268, Option 2 **International:** 561-912-6259, Option 2 **Alternative Number:** 800-392-2873

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