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**Release Notes**

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**Illustra Essentials Gen 3 Series**  
**Generation 3 with 3.6mm Fixed Lens**  
**Illustra Essential 7.01.02.00.0001**

**Product Data**

Visit the IP Cameras section of [www.illustracameras.com](http://www.illustracameras.com) to download datasheets and other documentation in PDF format.

**May, 2018**

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

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8200-1102-13 J0

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## **Table of Contents**

<b>What's in this release .....</b>	<b>4</b>
<b>Previous Releases .....</b>	<b>4</b>
<b>Firmware upgrade .....</b>	<b>4</b>
Upgrading the camera firmware using the Config Tool (V.3.20.9.170908 or higher) .....	4
Upgrading the camera firmware through the web user interface .....	5
Upgrading the camera firmware on the Holis Server (HOL4.001.000.004 or above) .....	5
<b>Firmware compatibility .....</b>	<b>6</b>
<b>Known limitations and issues .....</b>	<b>7</b>
<b>Contact information .....</b>	<b>8</b>

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

	Product code	Model Name	Firmware Version
G1	<b>Generation 1 with 3.6mm Fixed Lens</b>		
	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
	<b>Generation 1 with Vari-focal Fixed Lens</b>		
	IES01D1OCWIY	Illustra Essentials 1MP Dome 2.8-12 mm	V2.420.0007.0.R.20150715
	IES02D1OCWIY	Illustra Essentials 2MP Dome 2.8-12 mm	V2.420.0007.0.R.20150715
	IES01B1BNWIY	Illustra Essentials 1MP Bullet 2.8-12 mm	V2.420.0007.0.R.20150715
	IES02B1BNWIY	Illustra Essentials 2MP Bullet 2.8-12 mm	V2.420.0007.0.R.20150715
	G2	<b>Generation 2 with 3.6mm Fixed Lens</b>	
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
<b>Generation 2 with Vari-focal Fixed Lens</b>			
IES01D1OCWIYA		Illustra Essentials 1MP Dome 2.8-12 mm	Illustra.Esse5.01.01.00.0006
IES02D1OCWIYA		Illustra Essentials 2MP Dome 2.8-12 mm	Illustra.Esse5.01.01.00.0006
IES01B1BNWIYA		Illustra Essentials 1MP Bullet 2.8-12 mm	Illustra.Esse5.01.01.00.0006
IES02B1BNWIYA		Illustra Essentials 2MP Bullet 2.8-12 mm	Illustra.Esse5.01.01.00.0006
G3	<b>Generation 3 with Vari-focal Fixed Lens</b>		
	IES02D1OCWIYB	Illustra Essentials 2MP Dome 2.7-12 mm	Illustra.Esse6.01.01.00.0005
	IES02B1BNWIYB	Illustra Essentials 2MP Bullet 2.7-12 mm	Illustra.Esse6.01.01.00.0005
	<b>Generation 3 with 3.6mm Fixed Lens</b>		
	IES02CFBCWIYB	Illustra Essentials 2MP Mini Dome IR	Illustra.Esse7.01.02.00.0001
IES02MFBNWIYB	Illustra Essentials 2MP Bullet	Illustra.Esse7.01.02.00.0001	

## What's in this release

### Firmware Iustra.Esse7.01.02.00.0001 adds the following:

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

## Previous Releases

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	<b>Gen 1 with 3.6mm Fixed Lens</b>				
	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	
	<b>Gen 1 with Vari-focal Fixed Lens</b>				
	IES01D1OCWIY	Illustra Essentials 1MP Dome 2.8-12mm	V2.420.0007.0.R.20150715	V2.420.0007.0.R.20150715	
	IES02D1OCWIY	Illustra Essentials 2MP Dome 2.8-12mm	V2.420.0007.0.R.20150715	V2.420.0007.0.R.20150715	
	IES01B1BNWIY	Illustra Essentials 1MP Bullet 2.8-12mm	V2.420.0007.0.R.20150715	V2.420.0007.0.R.20150715	
	IES02B1BNWIY	Illustra Essentials 2MP Bullet 2.8-12mm	V2.420.0007.0.R.20150715	V2.420.0007.0.R.20150715	
	G2	<b>Gen 2 with 3.6mm Fixed Lens</b>			
		IES01CFBCWIYA	Illustra Essentials 1MP Minidome IR	V2.2.001.build20160227	V2.2.001.build20160227
IES02CFBCWIYA		Illustra Essentials 2MP Minidome IR	V2.2.001.build20160227	V2.2.001.build20160227	
IES01MFBNWIYA		Illustra Essentials 1MP Bullet	V2.2.001.build20160227	V2.2.001.build20160227	
IES02MFBNWIYA		Illustra Essentials 2MP Bullet	V2.2.001.build20160227	V2.2.001.build20160227	
<b>Gen 2 with Vari-focal Fixed Lens</b>					
IES01D1OCWIYA		Illustra Essentials 1MP Dome 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.01.00.0005	Illustra.Esse5.01.01.00.0006	
IES02D1OCWIYA		Illustra Essentials 2MP Dome 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.01.00.0005	Illustra.Esse5.01.01.00.0006	
IES01B1BNWIYA		Illustra Essentials 1MP Bullet 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.01.00.0005	Illustra.Esse5.01.01.00.0006	
IES02B1BNWIYA		Illustra Essentials 2MP Bullet 2.8-12mm	Illustra.Esse5.01.01.00.0006, Illustra.Esse6.01.01.00.0005	Illustra.Esse5.01.01.00.0006	
G3	<b>Gen 3 with Vari-focal Fixed Lens</b>				
	IES02D1OCWIYB	Illustra Essentials 2MP Dome 2.7-12mm	Illustra.Esse6.01.01.00.0005	Illustra.Esse6.01.01.00.0005	
	IES02B1BNWIYB	Illustra Essentials 2MP Bullet 2.7-12mm	Illustra.Esse6.01.01.00.0005	Illustra.Esse6.01.01.00.0005	

Generation 3 with 3.6mm Fixed Lens				
G3	IES02CFBCWIYB	Illustra Essentials 2MP Mini Dome IR	Illustra.Esse7.01.02.00.0001	Illustra.Esse7.01.02.00.0001
	IES02MFBNWIYB	Illustra Essentials 2MP Bullet	Illustra.Esse7.01.02.00.0001	Illustra.Esse7.01.02.00.0001

## 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
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 Excel software
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.
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, HOLIS NVR & VENVR do not support H265 and H264 Smart-encode streaming and recording.	Only use H264 while integration with VideoEdge Rec and HOLIS recorder.

## 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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[www.illustracameras.com](http://www.illustracameras.com)

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