

## Release Notes

### Illustra Flex 16MP Multi-Sensor

Product Code	Model Name	Firmware
IFS16-M10-BT03	Illustra Flex, 16MP Multi-Sensor, 2.8mm, Outdoor, vandal, clear, white, TDN	illustra.SS006.01.01.04fffc0

#### Product Data

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

December 2021

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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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## **What's in This Release**

### **What's New**

#### **Firmware illustra.SS006.01.01.04fffc0**

- Motion detection enhancements

## **Previous Release**

#### **Firmware illustra.SS006.01.00.c65d075**

Introduces the new Illustra Flex 16MP Multi-Sensor.

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IFS16-M10-BT03	Illustra Flex, 16MP Multi-Sensor, 2.8mm, Outdoor, vandal, clear, white, TDN	illustra.SS006.01.00.c65d075

## Key Features

- Wide area coverage. 4x 4MP multidirectional camera heads provide 360 degree coverage in four separate streams
- High resolution. 16 megapixel multi-sensor (4 x 4MP cameras), 30fps at all resolutions (H264)
- Multiple IP streams, H.264 and MJPEG video
- Integration with VideoEdge NVR, VideoEdge Hybrid, victor Unified Client, ExacqVision recorders and Clients
- Integration with Illustra Connect v 3.2 and above
- ONVIF profile S compliant
- Power over Ethernet (PoE+) or 12v dc
- Alarm Input
- Relay Output
- Bi-directional audio
- Motion Detection support on camera
- TWDR
- IP66 rated for weather resistance
- Ik10 rated for Impact Protection
- Auto White Balance
- Event trigger and notification
- Support for up to sixteen Privacy Zones per sensor
- Support for FTP, SNMP, SMTP, 802.1x, IP Filtering
- Up to 4 SD Card can be installed (one per sensor)
- SD card event buffering
- SD card event download
- SD card continuous recording
- Outstanding color reproduction
- Four cameras, one IP address
- Easy to install

## **Firmware Upgrade**

You can upgrade the Illustra Flex 16MP Multi-Sensor through the camera web GUI.

### **Upgrade Camera Firmware through the Web GUI**

**NOTE:**

All camera settings are maintained after you upgrade the camera firmware.

It is recommended to clear your browser cache after a firmware upgrade.

### **Procedure: Upgrade Camera Firmware through the Web GUI**

1. Using Internet Explorer connect to the camera via the IP Address and login to the Web GUI.
2. Select **Setup** from the web banner to access the configuration menus.
3. Select **System** and then select **Firmware Update**.
4. Press the **Select** button. The “Choose file to Upload” displays.
5. Navigate to the location where the firmware file has been saved. Select the firmware file then press the **Open** button.
6. Press **Start F/W Update**. The file transfer begins and a progress bar displays.

## Features

### Accessing the Illustra Flex 16MP Multi-Sensor Camera Web User Interface

1. Select a supported browser and enter the camera IP address.
2. When you select the camera, the sign in page is displayed.
3. Enter the default username and password - Username: admin, Password: admin.
4. Click **OK** button. The camera Web User Interface is displayed. **The first time that the user access the camera, or after a factory reset, the user is prompted to change the password.** The new password must contain at least 8 characters (or up to 30 characters) and should contain at least three of the following characters combinations: Upper Case, Lower Case, Numbers, and Special Characters ~ ` ! \$ ^ ( ) \_ - | { } [ ] ; ? / .
5. Press **Change Password** button and change the administrator password.

### Username and Password Complexity Requirements

Username Complexity for Enhanced Security Mode:

- a. Minimum characters: 8
- b. Have least three of the following character groups:
  - i. upper case letters    ABCDEFGHIJKLMNOPQRSTUVWXYZ
  - ii. lower case letters    abcdefghijklmnopqrstuvwxyz
  - iii. numeric characters    0123456789
  - iv. Special characters    ~ ` ! \$ ^ ( ) \_ - | { } [ ] ; ? / .

### How to restore admin/admin:

1. Restore factory default camera.

## Analytics

	Motion Detection Events
Illustra Flex, 16MP Multi-Sensor, 2.8mm, Outdoor, vandal, clear, white, TDN	Yes

## Stream Table

		Normal Mode		
		Resolution	Description Aspect Ratio	Max FPS
<b>Stream 1</b>	H264	2560x1440	16:9	30
		2304x1296	16:9	30
		1920x1080	16:9 (1080p)	30
		1280x720	16:9 (720p)	30
<b>Stream 2</b>	H264	640x480	4:3 (VGA)	30
		704x576	D1 PAL	30
		704x480	D1 NTSC	30
		352x288	CIF PAL	30
		352x240	CIF NTSC	30
<b>Stream 3</b>	MJPEG	1280 x 720	16:9 (720p)	10
		800x600	4:3	10
		640x480	4:3 (VGA)	10
		768x432	16:9	10
		704x576	D1 PAL	10
		704x480	D1 NTSC	10
		352x288	CIF PAL	10
		352x240	CIF NTSC	10

**Note:** A maximum of three concurrent streams are supported by each sensor. This includes shared streams.

## Known Limitations and Issues

Description	Suggested Work-Around
Missing video in VMS Channel 1 (video available through WEB GUI).	Unit's default password must be updated. <b>The first time that the user access the camera, or after a factory reset, the user is prompted to change the password.</b> The default password must be updated as follow: The new password must contain at least 8 characters (or up to 30 characters) and should contain at least three of the following characters combinations: Upper Case, Lower Case, Numbers, and Special Characters ~ ` ! \$ ^ ( ) _ -   { } [ ] ; ? /.
Problems discovering the unit or camera can be discovered using Illustra connect but the Configure Network option is disabled.	<ul style="list-style-type: none"> <li>- The default camera IP address is 192.168.1.168. Verify that the camera and the computer are in the same network and subnet.</li> <li>- <b>The camera IP address and the Gateway must be in the same subnet.</b> To verify the camera IP address and Default Gateway subnet, Open the WEB browser, access the camera WEB GUI and navigate to the Network settings section by selecting [SETUP][NETWORK][NETWORK SETTINGS]-&gt;IP setup.</li> <li>- The camera &amp; NVR should be synced to a common time source.</li> </ul>
Multi-Sensor Camera showing static IP address starts with 169.	<ul style="list-style-type: none"> <li>- The Multisensor Camera AUTO IP is enabled by default. This can be disabled through the camera WEB GUI [SETUP][NETWORK][AUTO IP]-&gt;General Settings</li> </ul>
If the camera date/time has been set manually, camera date/time may not be accurate if camera has been without power for a prolonged period	The camera should be setup with a NTP server to ensure the time is always accurate. NTP will guarantee clock sync as soon as camera is operational. If NTP is not available user should review date and time setting manually after the camera is plugged in.
MJPEG 1280x720 Resolution	Stream 3 MJPEG 1280x720 Resolution is available when Stream 1 resolution (H.264) is 2304x1296 or smaller.
MJPEG frame rate	Maximum MJPEG frame rate is 10 fps. H.264 supports 30fps in all resolutions.
WEB GUI QUAD view and steam selection	WEB GUI QUAD View and Channel Stream selection is only available with VLC Plug-in. HTML removes VLC dependency and display individual cameras (MJPEG format).
SD Card Removal	Set the Record management to OFF prior to removing the SD Card. Removing the SD memory card prior to setting Record to OFF will damage stored data.
Firmware update and bulk configuration are not currently being supported by Illustra Connect	Firmware upgrades must be done through WEB GUI

Description	Suggested Work-Around
<p>At first boot up the user is prompted to change the username and password from the default admin/admin. If not all rules are applied then the change request is denied and credentials remain as admin/admin. Failure to comply by rules, intermittently may result in camera log in being unavailable for a few minutes to allow camera to restore default functionality.</p>	<p>Ensure that all username and password rules are followed. The new password must contain at least 8 characters (or up to 30 characters) and should contain at least three of the following characters combinations: Upper Case, Lower Case, Numbers, and Special Characters ~ ` ! \$ ^ ( ) _ -   { } [ ] ; ? /.</p>
<p>Colors might be shifted under certain challenging light conditions (e.g. Mercury and Sodium outdoor lighting).</p>	<p>The camera offers manual white balance adjustments that could correct color shift produced by challenging lights.</p>
<p>Date, Time and Time zone might need to be corrected at first boot or after a factory reset.</p>	<p>Please check the time zone is assigned correctly at initial boot or after a factory default</p>
<p>Changing IP address causes web browser to close.</p>	<p>Open new browser and type new IP address into search bar.</p>

## Contact Information

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