

TAB Number: TB-00383-00-180327

Flex 3MP and 4K Box Camera: Len Selection Procedure.

Date Issued: 26 March, 2018

Product	Model	Software
IFS03XNANWTT	Illustra Flex 3MP Box Camera	Illustra.SS004.01.02.01.0008 and above
IFS08XNANWTT	Illustra Flex 4K Box Camera	Illustra.SS004.01.03.00.0704 and above

Issue

As new lens support is included in the updated Firmware files – the customer may need to perform firmware upgrades and manual lens selection in the camera GUI.

Product code	Lens Description	Default lens for model	Supported from Firmware
LIRC3105PCS	3-10.5mm HD Varifocal Lens	IFS03XNANWTT	Illustra.SS004.01.00.00.0392
LIRC7550PCS	7.5-50mm HD Telephoto Lens	None	Illustra.SS004.01.02.01.0008
LIRC3410PCS	3-10mm 4K Varifocal lens	IFS08XNANWTT	Illustra.SS004.01.03.00.0704

Solution

The process of selecting the new lens may require a firmware upgrade depending on the lens the customer is requiring to configure. If the lens is not a default selection (reference table above) the customer is required to run a manual process through the Camera GUI to configure a lens.

Check the firmware version of the flex box camera against the lens support table above.

For example, take lens LIRC7550PCS.

If the flex box firmware is SS004.01.02.01.0008 or higher then move to procedure 2. If the camera is running older firmware – please navigate to the www.illustracameras.com support pages and download firmware SS004.01.02.01.0008 or higher from the website.

Procedure 1

Download the new firmware file. You can upgrade the firmware through the web GUI or [illustra connect](#).

Upgrade camera firmware through the web GUI

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

1. Using a web browser, connect to the camera using the IP address and login to the web user interface.
2. Select **Setup** from the web banner to access the setup menus.
3. Select **System** and then **Maintenance** from the menu.
4. Identify the **Camera Upgrade section** from the **Maintenance** menu.

5. Select **Browse**. The Choose file dialog is displayed.
6. Navigate to the location where the firmware file has been saved. Select the firmware file then select the **Open** button.

Upgrade camera firmware through illustra connect

1. Install and launch the illustra connect software utility.
2. From the displayed list of cameras; right-click on the camera requiring the software upgrade.
3. Select **Upgrade Firmware**. The Firmware Upload window is displayed.
4. Select **Choose File** and browse to the firmware upgrade file.
5. Select **Upgrade** to start the upgrade.

Procedure 2

Lens selection

You can select the lens on the Illustra flex Box camera. The lens models supported is visible on the **Lens Selection** tab of the **Video** menu.

1. Select **Setup** on the web interface banner to display the setup menus.
2. Select **Picture Settings** from the **Video** menu.
3. Select the **Lens Selection** tab.
4. In the **Lens Model** field, use the drop-down list to select the lens that you installed.
5. When you change lenses, you are prompted to reboot the camera. All active sessions will be lost. Select **OK** to proceed with the reboot.

Procedure 3

Run a lens calibration

1. Select **Setup** on the web interface banner to display the setup menus.
2. Select **Picture Settings** from the **Video** menu.
3. Select the **Lens Calibration** tab.
4. Select **Start Calibration** and wait for the camera lens initialization to complete.
5. To confirm the success of the lens calibration, select the **Picture Basic** tab from the **Picture Settings** menu and verify that the image is in focus through the zoom range.

Use the OneTouch button to automatically focus the area.

Additional Information

The configured lens is retained after upgrades or factory defaulting of the camera. So this process is a setup process which shall not require to be repeated unless the lens is changed on the unit.

Continuous Improvement Statement

As with all processes defined by the American Dynamics Technical Services Group, this document is intended to be a work in progress. Further refinements and suggestions are welcome and should be sent in writing to the e-mail address listed below.

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