Siqura FD820M1IR-SFP

HD fixed dome camera with SFP interface

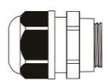
Quick Start Guide

Find additional manuals for this Siqura product at: www.siqura.com/support-files

Check package contents

Verify that your FD820M1IR-SFP package contains the following items.

FD820M1IR-SFP



Conduit

12 Vdc Power adapter

Rubber ring

Plastic screw anchors (x5)

Self-tapping screws (x5)

3-Pin connector

2-Pin connector

Quick Start Guide

Security torx

Figure 1 FD820M1IR-SFP package contents

Install the camera

The fixed dome camera can be installed directly on a wall or ceiling. Make sure that the provided surface has sufficient strength to support the camera.

To remove the camera from the dome housing

1. Release the two screws indicated in figure 2, and then open the dome cover.
2. Press both sides of the inner cover and remove it.
3. Loosen the two camera-fastening screws (figure 3) and detach the camera housing.

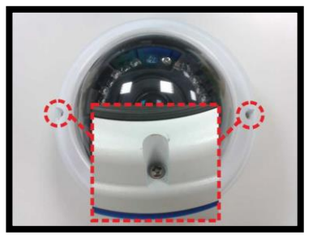


Figure 2

To mount the dome housing

- Attach the dome housing to the wall or ceiling with the supplied screws and screw anchors. If necessary, replace the screws with mounting screws that are more appropriate for the mounting surface.

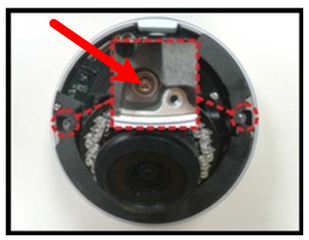


Figure 3

Attach cabling

Attach the power, network, audio, and alarms cables to the back of the camera.

To connect the cabling

1. Run the cables through the cable gland (figure 4).
2. Thread the cables through the conduit entry (figure 5).
3. Connect the cables to the camera body as indicated in the following sections.
4. Place the camera body back onto the camera housing and tighten the camera-fastening screws.
5. Fasten the gland body to the side/back conduit entry.

Note: *Insert the SD card into the Micro SD card slot before you power on the camera. If the camera is already powered on, reboot the camera after the SD card is inserted.*

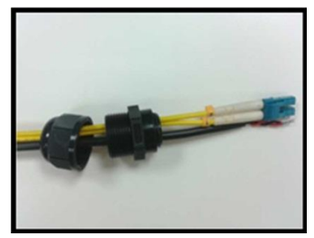


Figure 4

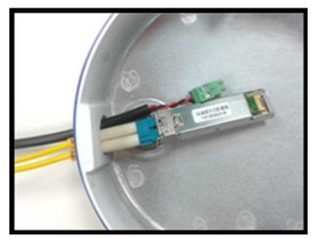
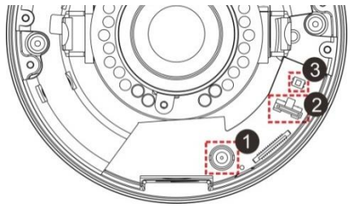


Figure 5

Connector overview



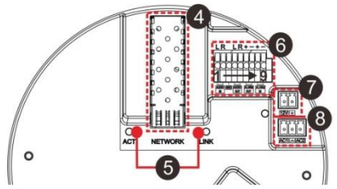


Figure 6 FD820M1IR-SFP Printed Circuit Board (PCB) connectors

No.	Connector	Pin	Definition	Remarks
1	**BNC**	-	For analogue video output	
2	**Micro SD card slot**	-	For video recording storage	
3	**Default button**	-	Press the button to restore the defaults.	
4	**SFP Network**	-	For SFP Cable connection	
5	**Network LEDs**	-	Network connection and activity indication	
6	**Alarm & Audio I/O**	1	Audio In (L)	Line In
		2	Audio In (R)	
		3	GND	
		4	Audio Out (L)	Line Out
		5	Audio Out (R)	
		6	Alarm Out +	Alarm connection
		7	Alarm Out (-)	
		8	Alarm In (+)	
		9	Alarm In (-)	
7	**Power connector DC 12 V**	12 V	Power	Power connection
		⏚	GND	
8	**Power connector AC 24 V**	AC1	Power-1	Power connection
		⏚	GND	
		AC2	Power-2	

Table 1 FD820M1IR-SFP Printed Circuit Board (PCB) connectors description

Connect to power and network

Connect power and network cables to the camera as described in figure 6 and table 1.

To power on the camera

- Plug the 12 Vdc or 24 Vac cable into the power terminal block.

To connect to network

- Connect one end of the SFP cable to the SFP connector of the camera (see figure 6), and connect the other end of the cable to the network switch.

Note: Check the status of the link indicator and activity LEDs. If the LEDs are unlit, check the LAN connection.

- A green LINK light indicates a good network connection.
- The orange ACT light flashes to indicate network activity.

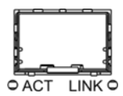


Figure 7 ACT and LINK network LEDs

Connect audio and alarms

If microphones and speakers are implemented, the camera can be used to provide a two-way audio channel.
Connecting an alarm device to the camera input can trigger an output action to occur based on contact closure settings.

To connect audio

- Connect the audio input and output connectors to the terminal block on the back of the camera (figures 6 and 8).
  Via the camera's Audio webpage, you can set audio streaming to full-duplex, half-duplex, simplex, or you can disable audio streaming.

To connect an alarm device

- Connect the alarm relay connectors to the terminal block on the back of the camera (figures 6 and 8).
  Use the Application, Motion Detection, and Tampering webpages to configure the alarms as desired.

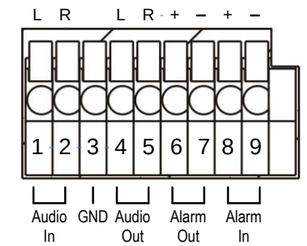


Figure 8 Audio and alarm I/O terminal block

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Log on to the camera

You can access the settings of the camera via its webpages.
Use Internet Explorer 6.x or higher, Chrome, Firefox or Safari to browse the webpages.

To open communication with the FD820M1IR-SFP

1. Make an IP connection between the camera and the PC.
   To achieve initial access, the network adapter of the PC must be set to the same subnet as the camera. The factory-set IP address is printed on a label located on the bottom of the camera.
2. Type the IP address of the camera in the address bar of the browser.
3. Enter the default user name (Admin) and password (1234).
   Note that the user name is case sensitive.
4. When prompted by the camera, install the add-on, Siqura Viewer.
5. Make sure that ActiveX controls are enabled in your web browser.

CAUTION: MAKE SURE THAT YOU CHANGE THE DEFAULT ADMIN PASSWORD AT THE FIRST LOGIN. TO KEEP THE ACCOUNT SAFE, CREATE A STRONG, COMPLEX PASSWORD. THIS HELPS TO PREVENT UNAUTHORISED ACCESS FROM PEOPLE WHO TRY TO USE THE DEFAULT ACCOUNT.

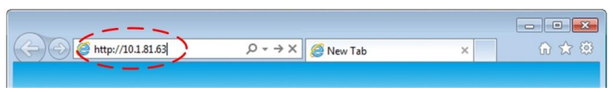

Figure 9 Enter the IP address of the camera into the address bar of your browser

Use Siqura Device Manager

With Siqura Device Manager you can detect the FD820M1IR-SFP on your network and access its webpages.
You can download Siqura Device Manager at:
http://www.siqura.com/support-files.
The tool detects and lists all Siqura IP devices found on the network.

To access the webpages of the camera

1. Start Siqura Device Manager.
   The network is scanned. Detected devices appear in the List View.
2. Right-click the entry for the camera, and then click **Open Web Page**.
   The login page of the camera is opened in your web browser.

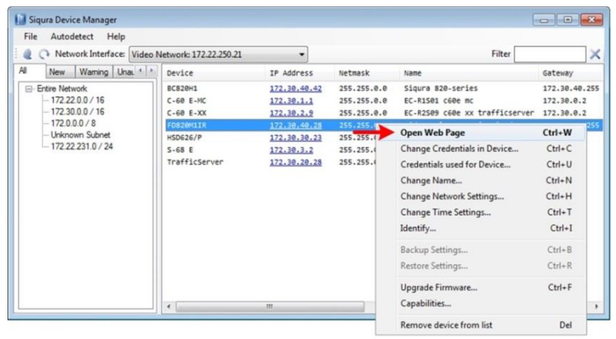

Figure 10 Open the FD820M1IR-SFP webpages with Siqura Device Manager

Change the network settings

With Siqura Device Manager you can directly change the network settings of the FD820M1IR-SFP.

To change the network settings

1. Right-click the camera in Siqura Device Manager.
2. Click **Change Network Settings**.
3. Click **Enable DHCP**.
   - or -
   click **Static IP**, and then enter the new IP address, subnet mask, and gateway address.
4. Click **OK**.

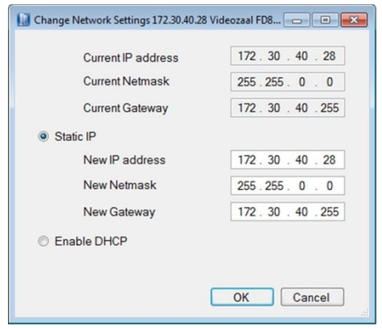

Figure 11 Network settings

Note: A DHCP server must be installed on the network in order to apply DHCP network support.

Alternatively, you can change these settings on the Network webpage of the camera. For more information, see the User Manual.

Navigate the webpages

Across the top of the FD820M1IR-SFP home page are five main menu items.

- **Home**
  Here you can monitor a live video stream or double-click the image to view stream details.
- **System**
  Here you can set the host name, system time, root password, and other network related settings.
- **Streaming**
  Here you can set video and audio formats and compression parameters.
- **Camera**
  Here you can adjust various camera settings, including exposure, white balance, brightness, sharpness, contrast, and digital zoom.
- **Logout**
  The Logout option signs the user out of the camera's webpages and opens the Login page.

Figure 12 The FD820M1IR-SFP web interface menus

Adjust the lens

The FD820M1IR-SFP has a motorised lens.
Manually adjust the Pan/Tilt/Spin holders of the camera to point the lens for the desired camera view (figure 13). Use Siqura Viewer to check the image quality and the field of view as you make changes.

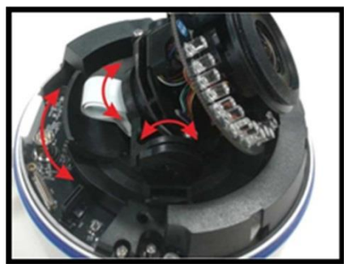

Figure 13 Adjust the pan, rotation, and tilt of the camera as necessary

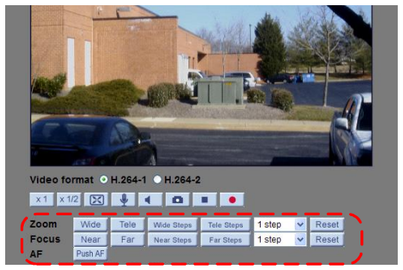

Figure 14 Zoom and focus buttons on the home page of the FD820M1IR-SFP

Note: You can set the IR function of FD820M1IR-SFP via the Camera menu.

Change video rotation

Depending on how the FD820M1IR-SFP is mounted, you may need to rotate the camera image.

Figure 15 The FD820M1IR-SFP installation requires rotation

To select a video rotation type

1. On the **Streaming** tab menu, click **Video Format**.
2. Choose the required rotation type:
   - **Normal video.** The camera's orientation is not modified.
   - **Flip video.** The image rotates across the horizontal axis.
   - **Mirror video.** The image rotates across the vertical axis.
   - **90 degree clockwise.** The image rotates 90° clockwise.
   - **180 degree rotate.** The image rotates 180°.
   - **90 degree counterclockwise.** The image rotates 90° counterclockwise.
3. Click **Save**.