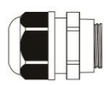
Siqura FD820M1 / FD820M1IR / FD820M1IRMP5

High-definition fixed dome IP camera

Quick Start Guide

Unpack

FD820 camera



Conduit

Power adapter

Power terminal block

Plastic screw anchors (x4)

Self-tapping screws (x4)

Rubber washers (x6)

White rubber ring

Security torx

Siqura Product CD

Quick Start Guide

Figure 1
Package contents

***Note**: Subject to modification. Actual product and accessories may differ in appearance.*

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. Use the supplied security torx to unscrew the housing cover.
2. Open the housing cover, gently press both sides of the inner cover (figure 2), and then remove it from the dome unit.
3. Using a phillips head screwdriver, unscrew the camera-fastening screw.
4. Press the snap-on sides of the camera (figure 3) and detach it from the dome 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. Thread the power, Ethernet, and possibly audio and alarm device cables through the side or back conduit entry, using the supplied conduit and white rubber ring as needed (figure 4).
2. Connect the cables to the camera body as indicated in the following sections.
3. Snap the camera body back onto the camera housing (figure 5) and tighten the camera-fastening screw.

Figure 4

***Note:** Insert the SD card into the microSD 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 5

Connector overview

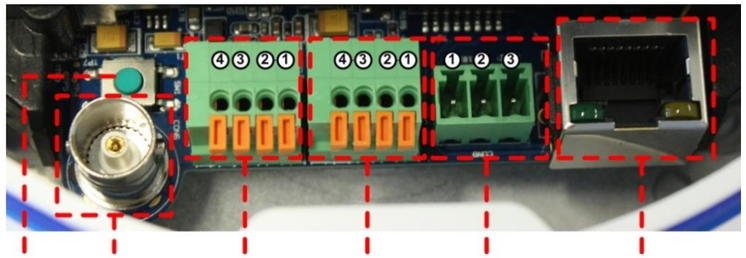


Figure 6 FD820 Printed Circuit Board (PCB) connectors

Alarm I/O	1	Output +
	2	Output –
	3	Input +
	4	Input –

Table 1 Alarm connector assignments

Audio I/O	1	Input
	2	GND
	3	Audio Out-R
	4	Audio Out-L

Table 2 Audio connector assignments

Connector	**Pin**	**Definition**
DC 12 V	1	Power
	2	Reserved
	3	GND
AC 24 V	1	Power-1
	2	GND
	3	Power-2

Table 3 Pin definitions power terminal block

Reset: Press for at least 10 seconds to restore the system to its factory-default settings (including network settings).

Connect to power and network

Connect power and network cables to the camera as indicated in figure 6 and table 3.

To power the camera with DC 12 V or AC 24 V

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

***Note**: The supplied DC power adapter is for indoor use only.*

To connect to network

1. Using a Cat 5 Ethernet straight-through cable that does not exceed 100 metres in length, connect one end of the cable to the RJ-45 connector of the camera. Connect the other end to the network switch. Use crossover cable if you connect directly to a PC.
2. 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.

To power the camera with Power over Ethernet (PoE)

- Connect one end of a Cat 5 Ethernet cable to the camera as described above. Connect the other end to an appropriate PoE

***Note**: PoE cannot be used with the heater.*

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 digital I/O settings.

To connect audio

1. Connect the audio input and output connectors to the terminal block on the back of the camera (figure 6 and table 2).
2. On the camera's Audio webpage, the following options are available for audio streaming:
   - *Full duplex*: Talk and listen simultaneously
   - *Half duplex*: Talk or listen (not at the same time)
   - *Simplex*: Talk only
   - Simplex: Listen only
   - *Disable*

To connect an alarm device

- Connect the alarm relay connectors to the terminal block on the back of the camera (figure 6 and table 1).
  Use the Application, Motion Detection, and Tampering webpages to configure the alarms as desired.

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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 FD820

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 your web browser (figure 7), and then click ENTER.
3. Enter the default user name (Admin) and password (1234).
   Note that the user name is case sensitive.
4. When prompted about an ActiveX control installation, click **Install**.
   This installs Siqura Viewer, an add-on required to view camera images in the webpages. Make sure that ActiveX controls are enabled in your web browser. For more information, see the User Manual.

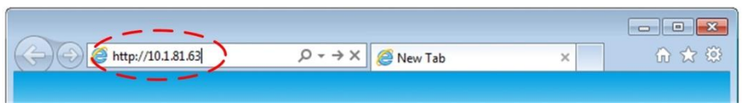
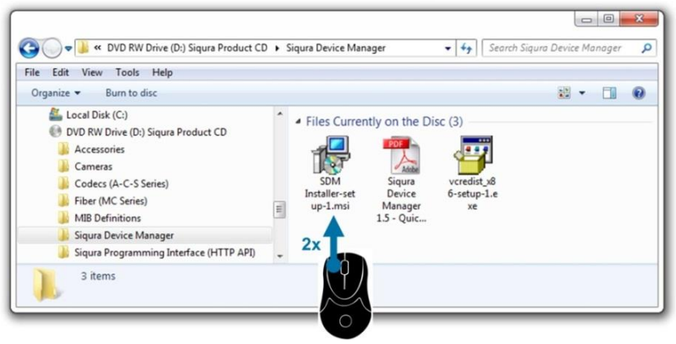


Figure 7 Enter the IP address of the camera into the address bar of your browser

Install Siqura Device Manager (optional)

Figure 8 Install Siqura Device Manager from the Siqura Product CD



Access the camera via Siqura Device Manager

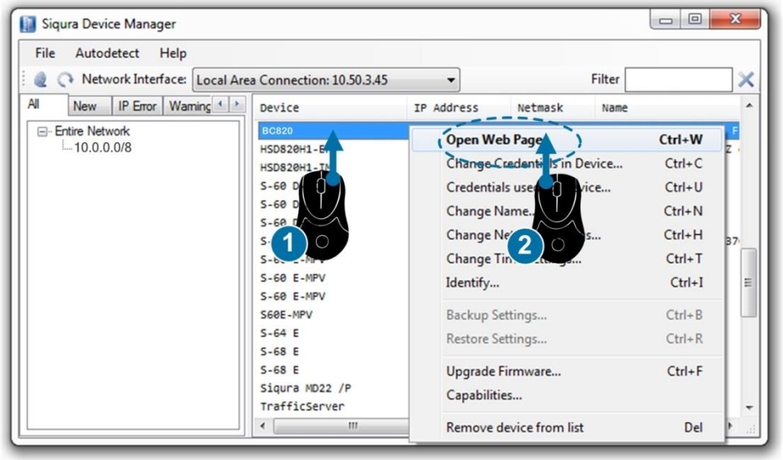


Figure 9 Siqura devices discovered by Siqura Device Manager

Change network settings

With Siqura Device Manager you can directly change the network settings of the camera

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**.

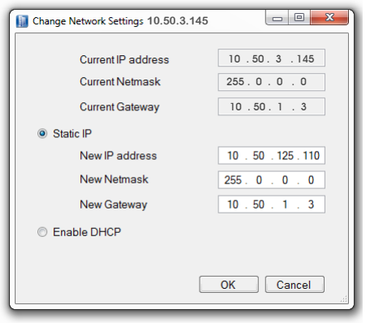


Figure 10 Network settings

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.

Adjust the lens

The FD820 has a motorised lens.
Manually adjust the Pan/Tilt/Spin holders of the camera to point the lens for the desired camera view (figure 11). Use Siqura Viewer to check the image quality and the field of view as you make changes.

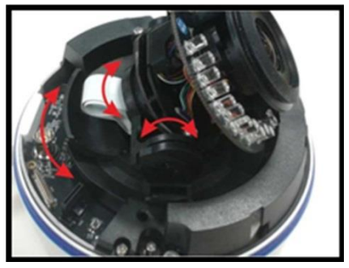


Figure 11 Adjust the pan, rotation, and tilt of the camera as necessary

Figure 12 Zoom and focus buttons on the home page of the FD820

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

Change video rotation

Depending on how the FD820 is mounted, you may need to rotate the camera image.

Figure 13 Applying Mirror video 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**.