

Siqura CD810F1

Compact Fixed Dome IP Camera



Installation Manual

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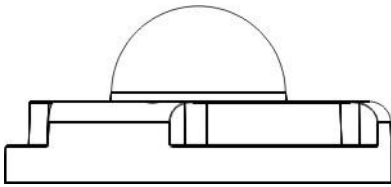


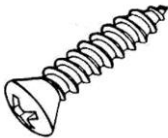

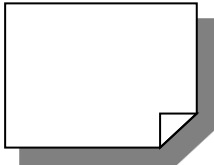

1. Overview

The CD810F1 can provide real-time video streaming and smooth image quality. The camera offers MJPEG streaming and also includes an H.264 encoder for high-resolution digital broadcast applications. With its compact and sophisticated mechanical design, the CD810F1 camera is easily installed and aesthetic in appearance.

1.1 Features

- Progressive scan CMOS sensor
- 2 Mpixel resolution
- Full HD 1080p resolution
- Dual-stream H.264 and MJPEG video
- Multilanguage support
- Tampering alarm
- Wide dynamic range
- Motion detection
- Privacy masks
- Smart picture quality / 3D noise reduction
- Vertical view mode (image rotation by 90 degrees)
- Network failure detection
- Audio: built-in microphone
- microSD support
- ONVIF support

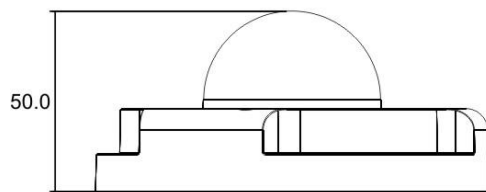
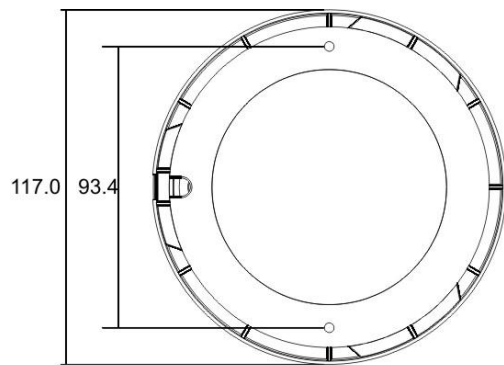
1.2 Package contents

 <p>CD810F1</p>	
 <p>Security torx</p>	 <p>Barrel connector adapter</p>
 <p>Self-tapping screw (x3)</p>	 <p>Plastic screw anchor (x3)</p>
 <p>Quick Start Guide</p>	 <p>Software and manuals</p>



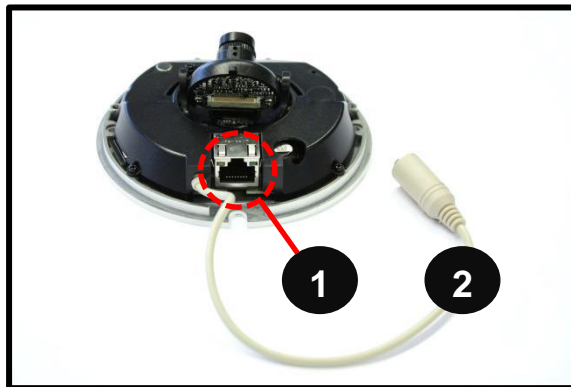
NOTE: The supplied self-tapping screws are for soft substances / materials such as wood. For other installation environments, such as cement wall, it is required to pre-drill and use plastic anchors before fastening the supplied self-tapping screws to the wall.

1.3 Dimensions



Unit: (mm)

1.4 Power and Ethernet connectors

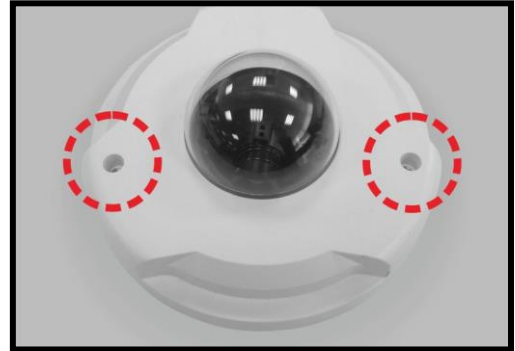


No.	Connector	Definition
1	RJ-45	For network and PoE connection
2	Power Jack (DC 12 V)	Power connection

1.5 Install the camera

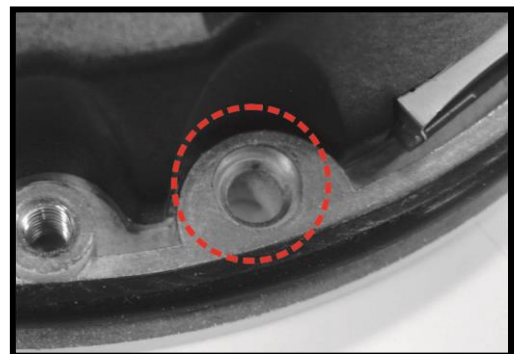
Step 1:

Loosen the two security screws of the camera and detach the dome cover.



Step 2:

Place the camera at the installation location. Then attach the camera to the ceiling by fastening it with the supplied screws through the screw holes.



Step 3:

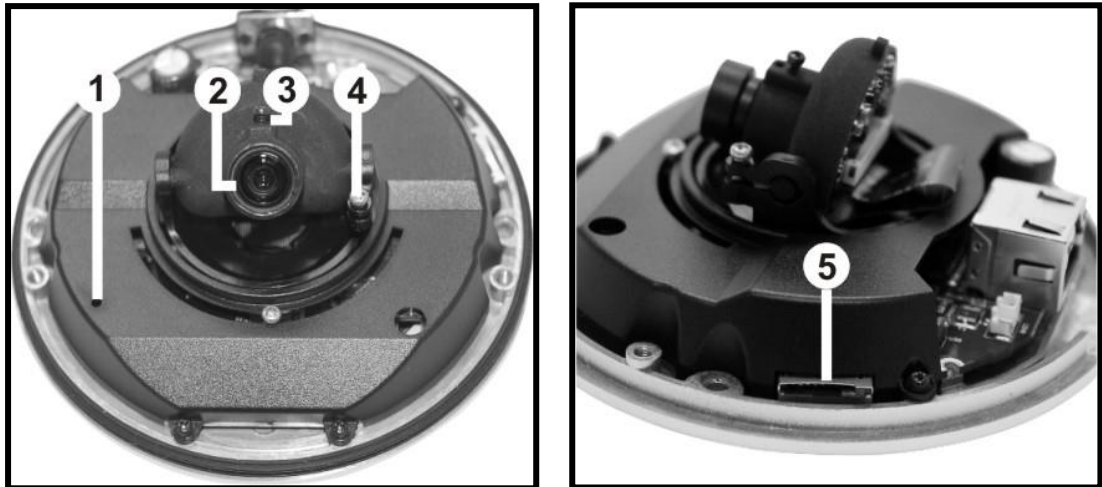
Refer to section *Connectors* and chapter *Camera Cabling* for camera lens adjustment and cable connection.

Step 4:

Attach the dome cover back to the camera and fasten the two security screws.



1.6 Connectors



No.	Item	Description
1	Reset Button	Press the button with a proper tool for at least 20 seconds to restore the system to the factory-default settings.
2	Lens	Rotate the lens right/left to adjust focus
3	Focus Fixed Screw	Loosen the screw to adjust the lens
4	Tilt Fixed Screw	Loosen the screw to adjust tilt angle
5	microSD Card Slot	For video recording storage



NOTE: It is not recommended to record with the microSD card for 24/7 continuously, as it may not be able to support long term continuous data read/write operations. Contact the manufacturer of the microSD card for information regarding the reliability and the life expectancy.

2. Camera cabling

Before you connect cables, make sure that all cables and the power adapter are placed in dry and well-waterproofed environments, such as waterproof boxes. The purpose is to prevent moisture accumulation inside the camera and moisture penetration into cables, which might lead to camera breakdown. Follow the instructions below to complete the IP camera connection.

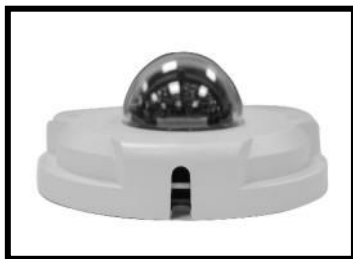
2.1 Connect power

You can use a DC 12 V power adapter and connect it to the camera and the power outlet or you can use an Ethernet cable and connect it to the RJ-45 connector of the camera and a PoE switch. See the section below for Ethernet cable connection.

2.2 Connect the Ethernet cable

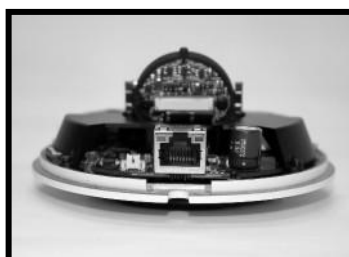
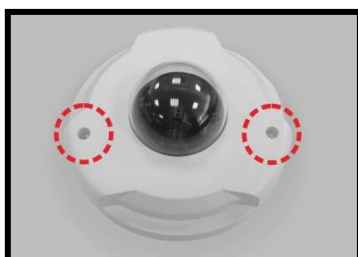
For best transmission quality, cable length shall not exceed 100 metres. Connect one end of the Ethernet cable to the RJ-45 connector of the camera. Connect the other end of the cable to the network switch.

The Ethernet connector of the indoor camera is shown as below.



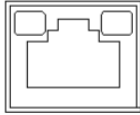
PoE Connection

Before connecting Ethernet cable, loosen the two security screws of the indoor camera and detach the dome cover.



Connect one end of the Ethernet cable to the RJ-45 connector of the indoor camera, and plug the other end into a PoE switch.

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



A green link light indicates a good network connection.
An orange activity light flashes for network activity indication.



NOTE: Please use an Ethernet cable without the boot cover to connect the indoor camera. Otherwise, the dome cover cannot be installed.

After cable connection, attach the dome cover back to the indoor camera and fasten the two security screws.



3. System requirements

To control the IP camera via a web browser, connect the camera to a PC over the network and meet the system requirements as described below.

Items	System Requirement
Personal computer	1. Intel® Pentium® M, 2.16 GHz or Intel® Core™2 Duo, 2.0 GHz 2. 2 GB RAM or more
Operating system	Windows 7 or higher
Web browser	Microsoft Internet Explorer 6.0 or later Firefox Chrome Safari
Network card	10Base-T (10 Mbps) or 100Base-TX (100 Mbps) operation
Viewer	ActiveX control plug-in for Microsoft IE

4. Access the camera

You can log on to the webpages of the CD810F1 from a PC which is on the same subnet as the camera. You can open the login page directly from your web browser or use Siqua Device Manager to access the camera.

4.1 Connect via web browser

To connect to the camera via a web browser

1. Open the web browser.
2. Type the IP address of the CD810F1 in the address bar, and then press ENTER.

The factory-set IP address of the camera is in the 10.x.x.x range. You will find it printed on a sticker on the camera.

If your network configuration is correct you are directed to the login page of the camera.

4.2 Connect via Siqua Device Manager

With Siqua Device Manager - a tool included on the supplied Siqua Product CD - you can locate, manage, and configure Siqua IP cameras and video encoders.

To connect to the camera via Siqua Device Manager

1. Start Siqua Device Manager
The network is scanned.
Detected devices appear in the List View pane.
2. Use the tabs in the *Tree View* pane to define the scope (subnet) of your search.
3. Click the column headings in the *List View* pane to sort devices by type, IP address, or name.
4. To connect to the webpages of the CD810F1, double-click its entry in the device list,
- or -
Right-click the entry, and then click **Open Web Page**.
The login page of the camera is opened in your web browser.

4.3 Change network settings

With Siquira Device Manager, you can directly change the network settings of the CD810F1.

To assign a static IP address

1. Go to the list of detected devices, and then right-click the entry for the CD810F1.
2. Click **Change Network Settings**.
3. In *Change Network Settings*, click **Static IP**.
4. Provide the camera with an appropriate IP address, netmask, and gateway address for the desired network configuration, and then click **OK**.
5. In the pop-up window indicating that you have successfully changed the settings, click **OK**.
6. Wait one minute, and then rescan the network.
7. To access the webpages of the camera, double-click its entry in the list of found devices.

To assign a DHCP server

1. Go to the list of detected devices, and then right-click the entry for the CD810F1.
2. Click **Change Network Settings**.
3. In *Change Network Settings*, click **Enable DHCP**, and then click **OK**.
4. In the pop-up window indicating that you have successfully changed the settings, click **OK**.
5. Wait one minute, and then rescan the network.
6. To access the webpages of the camera, double-click its entry in the list of found devices.

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

4.4 Log on to the camera

Users with a valid account for the CD810F1 can log on to the camera.

To log on

1. In the *Authentication* box, log on with the account that was created for you.
User name and password are case sensitive.
The default user name set at the factory for the CD810F1 is "Admin" with password "1234".
2. Click **Log In**.

Note: To prevent unauthorised access from people using the default account, we recommend that the administrator changes the default password after first login and creates separate user accounts as needed.

4.5 Siquira Viewer

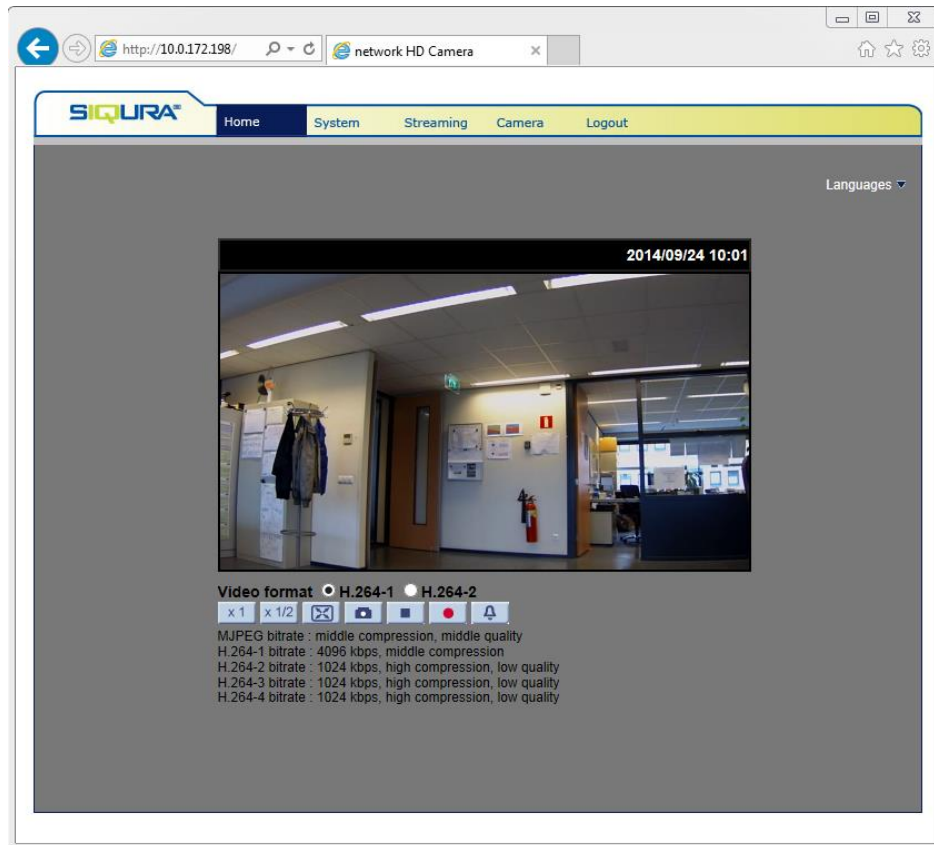
For the initial access to the camera, a client program, Siquira Viewer, is automatically installed to the PC when connecting to the camera.

If the web browser doesn't allow Siquira Viewer installation, check the Internet security settings or ActiveX controls and plug-ins settings (see section *Set up Internet Security* to continue the process.

An information bar may pop up and ask for permission to install the ActiveX control for displaying video in browser. Click <Install> to allow the installation. Then a security warning window pops up. Click <Yes> to install the software. Click <Finish> after the Siquira Viewer installation has completed.

4.6 Home page

Once the Siquira Viewer is successfully installed, the home page of the IP camera is displayed as in the figure below. Note that function buttons will vary depending on the camera model.

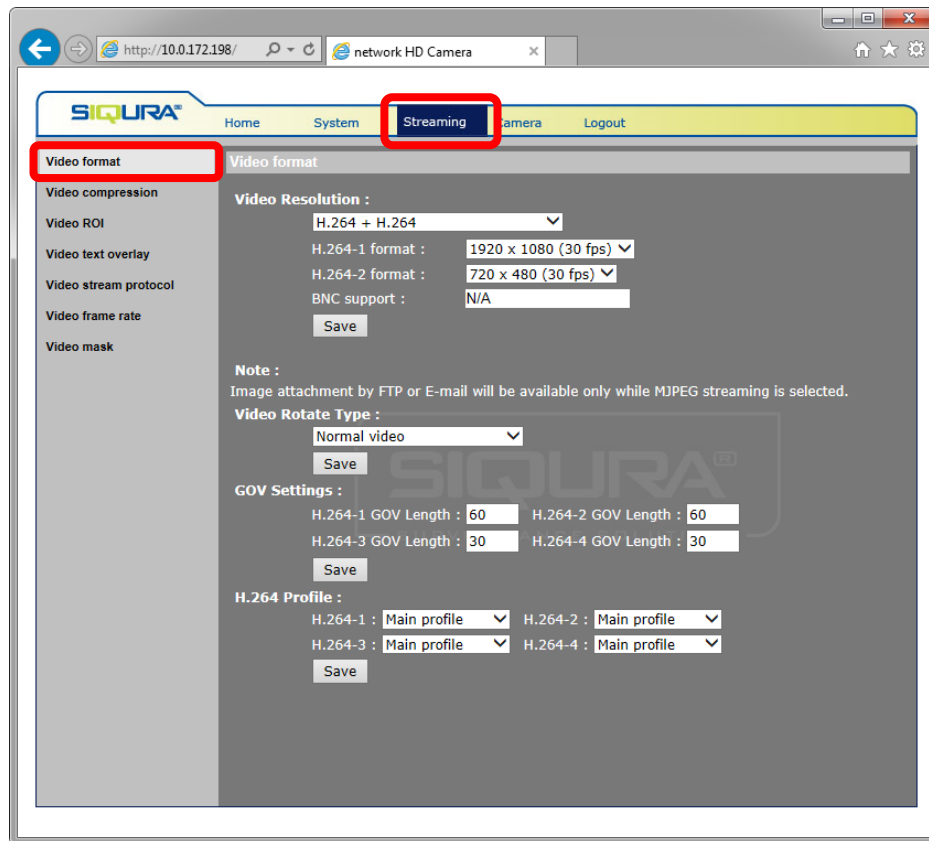


For a description of the CD810F1 webpages, see the User Manual on the supplied Siquira Product CD (download the latest version at www.siquira.com).

5. Set up video resolution

Users can set up the video resolution on the Video Format page of the browser-based configuration interface.

Video Format can be found under this path: **Streaming> Video Format**.



The default values of video resolution are as below.

2M	H.264- 1920 x 1080 (13/15 fps) + H.264- 720 x 480 (13/15 fps)
2M Real-time	H.264- 1920 x 1080 (25/30 fps) + H.264- 720 x 480 (25/30 fps)

For more details about the combinations of video resolution, see the User Manual.

6. Export/Import configuration files

To export/import configuration files, users can access the Maintenance page on the browser-based configuration interface.

The Maintenance settings can be found under this path: **System>Maintenance.**

Users can export configuration files to a specified location and retrieve data by uploading an existing configuration file to the IP camera. It is especially convenient to make multiple cameras have the same configuration.

Export

Users can save the system settings by exporting the configuration file (.bin) to a specified location for future use. Click the <Export> button, and the pop-up File Download window is displayed. Click <Save> and specify a desired location for saving the configuration file.

Upload

To upload a configuration file to the IP camera, click <Browse> to select the configuration file, and then click the <Upload> button for uploading.

7. Tech support information

This chapter explains how to delete a previously installed Siqua Viewer from the PC and how to set up the Internet security.

Note: For the technical specifications of the camera, refer to the CD810F1 datasheet.

7.1 Delete the existing Siqua Viewer

Viewing camera images in the CD810F1 webpages requires Siqua Viewer software. You are strongly advised to remove a previous installation of Siqua Viewer from your computer before initial access to the camera over the network or when you encounter an "A new version is available" message.

To uninstall Siqua Viewer

1. On the Windows **Start Menu**, click **Control Panel**.
2. Click **Programs and Features**.
3. On the installed programs list, select **Siqua Viewer**.
4. Click **Uninstall**.

Deleting the files in your Temporary Internet Files folder may improve your web browser performance.

To delete the Temporary Internet files

1. Open your web browser.
2. On the **Tools** menu, select **Internet Options**.
3. In the *Browsing history* section of the *General* tab, click **Delete**.
4. Select **Temporary Internet files**, and then click **Delete**.

7.2 Set up Internet Security

If ActiveX control (Siqua Viewer) installation is blocked, set the Internet security level to default or change the ActiveX controls and plug-ins settings.

To set the Internet Security level to default

1. Start Internet Explorer (IE).
2. On the **Tools** menu, select **Internet Options**.
3. Click the **Security** tab, and then select the (logo of the) **Internet** zone.
4. Under *Security level for this zone*, click the **Default Level** button.
5. Click **OK** to confirm the setting.
6. Close the browser window, and start a new session later to access the camera.

To modify ActiveX Controls and Plug-ins settings

1. Start Internet Explorer (IE).
2. On the **Tools** menu, select **Internet Options**.
3. Click the **Security** tab, and then select the (logo of the) **Internet** zone.
4. Under *Security level for this zone*, click the **Custom Level** button.
The Security Settings - Internet Zone dialog box displays.
5. Under *ActiveX controls and plug-ins*, set all items listed below to **Enable** or **Prompt**.
 - Note that items may vary from one IE version to another.
 - Allow previously unused ActiveX controls to run without prompt.
 - Allow Scriptlets.
 - Automatic prompting for ActiveX controls.
 - Binary and script behaviors.
 - Display video and animation on a webpage that does not use external media player.
 - Download signed ActiveX controls.
 - Download unsigned ActiveX controls.
 - Initialize and script ActiveX controls not marked as safe for scripting.
 - Run ActiveX controls and plug-ins.
 - Script ActiveX controls marked safe for scripting.
6. Click **OK** to accept the settings and close the *Security Settings* box.
7. Click **OK** to close the Internet Options dialog box.
8. Close the browser window, and start a new session later to access the camera.