



Siqura BL810F1IR

Full HD IR Bullet IP Camera



Installation Manual

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1. Overview

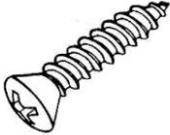
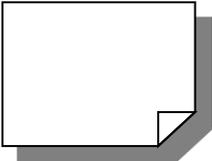
The BL810F1IR camera is a compact camera with an easy setup design. PoE is supported to reduce complicated cabling without sacrificing performance.

Dual-stream compression (H.264 Baseline / Main / High Profile + MJPEG) is supported for efficient bandwidth and storage management. Moreover, the camera is featured with functions such as WDR, 3D Noise Reduction, Day/Night ICR, etc. For more camera features, see the feature list below.

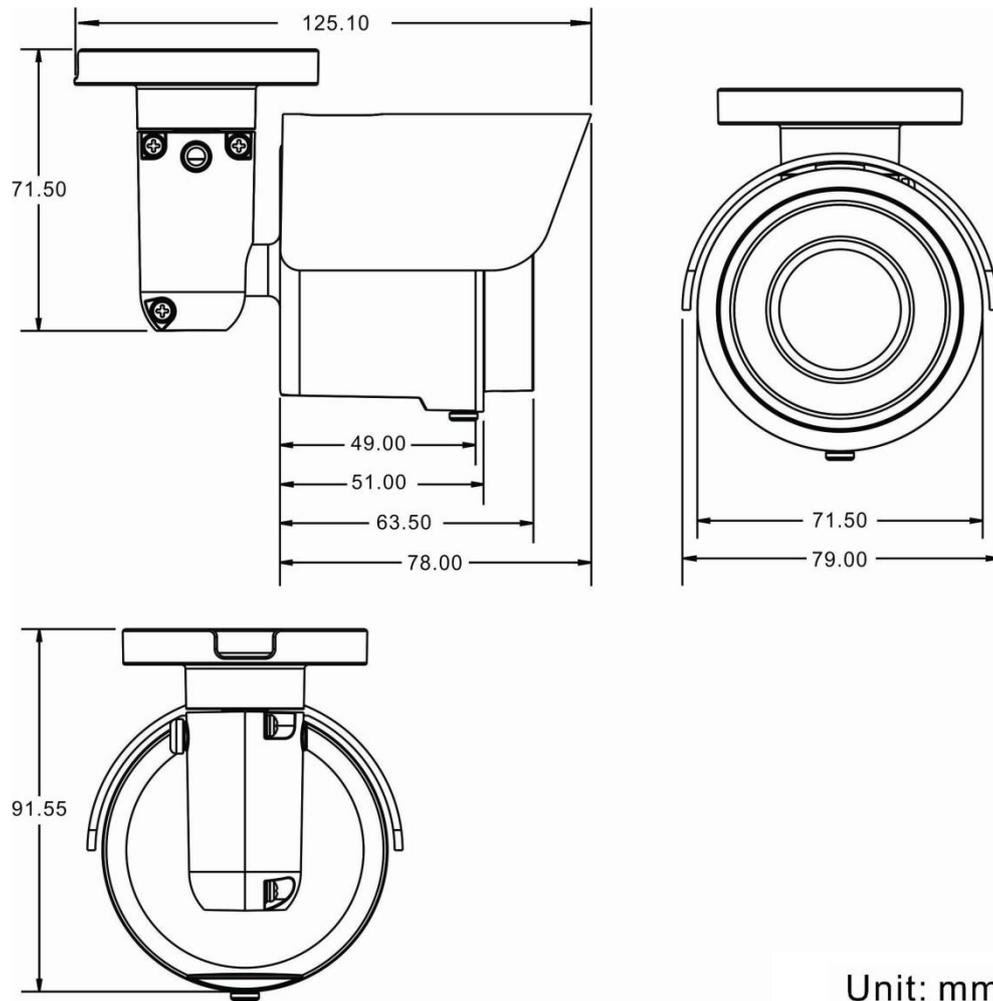
1.1 Features

- Progressive scan CMOS sensor
- 2 Mpixel resolution
- Multistreaming: full HD 1080p real-time + D1 real-time
- Dual-stream compression: H.264 and MJPEG
- Multilanguage support
- Wide dynamic range
- Motion detection
- Privacy masks
- Smart picture quality / 3D noise reduction
- Smart IR mode
- Day/Night (ICR)
- IR LED module (working distance up to 15 m)
- microSD support
- Weatherproof (IP66)
- Sunshield
- Integrated mounting bracket with cable management
- ONVIF support

1.2 Package contents

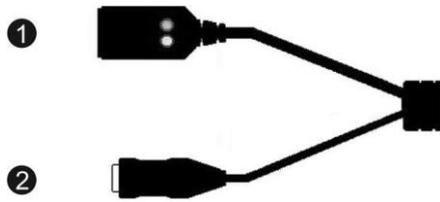
| | |
|---|---|
|  <p data-bbox="810 651 948 680"><i>BL810F1IR</i></p> | |
|  |  |
|  <p data-bbox="461 1240 735 1272"><i>Self-tapping screw (x5)</i></p> |  <p data-bbox="1011 1240 1315 1272"><i>Plastic screw anchor (x5)</i></p> |
|  <p data-bbox="491 1543 703 1574"><i>Quick Start Guide</i></p> |  <p data-bbox="1027 1543 1299 1574"><i>Software and manuals</i></p> |

1.3 Dimensions



1.4 Function cable

RJ-45 & DC 12 V Cable

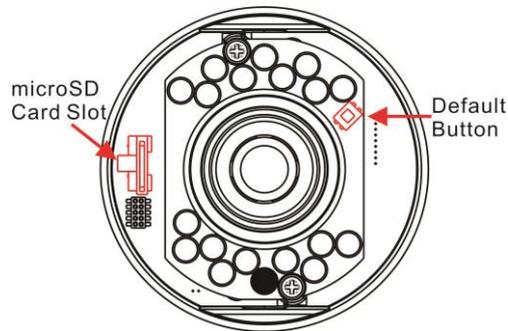


Pin Definition

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

1.5 microSD Card slot / Default button

The positions of the microSD card slot and the default button are shown below.



microSD Card Slot

Insert a microSD card into the card slot to store videos and snapshots. Do not remove the microSD card when the camera is powered on.



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.

Default button

Press the button with an appropriate tool for at least 20 seconds to restore the system to the factory-default settings.

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 Power connection

For power connection, see section *Function cable*. Alternatively, users can power the camera by PoE. See the section below for Ethernet cable connection.

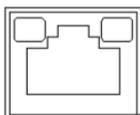
2.2 Ethernet cable connection

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 or PC.



NOTE: In some cases, an Ethernet crossover cable might be needed when connecting the IP camera directly to the PC.

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.

2.3 Waterproof cable connectors

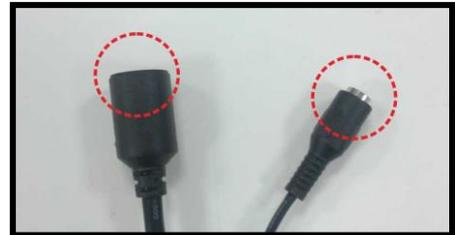
Follow the instruction below to waterproof the connectors of the RJ-45 & DC 12 V cable.



RJ-45 & DC 12 V cable

Step 1:

Connect the required devices to the RJ-45 & DC 12 V cable and coat the joints with silicone gel. There should be no gap between the connectors and the cables.



Step 2:

Seal the spot indicated in the figure on the right with silicone gel. Make sure there is no gap between the cables and the hole; otherwise, the waterproof function cannot be guaranteed.



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 BL810F1IR 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 BL810F1IR 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 BL810F1IR, 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 Siqua Device Manager, you can directly change the network settings of the BL810F1IR.

To assign a static IP address

1. Go to the list of detected devices, and then right-click the entry for the BL810F1IR.
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 BL810F1IR.
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 BL810F1IR 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 BL810F1IR 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 Siqura Viewer

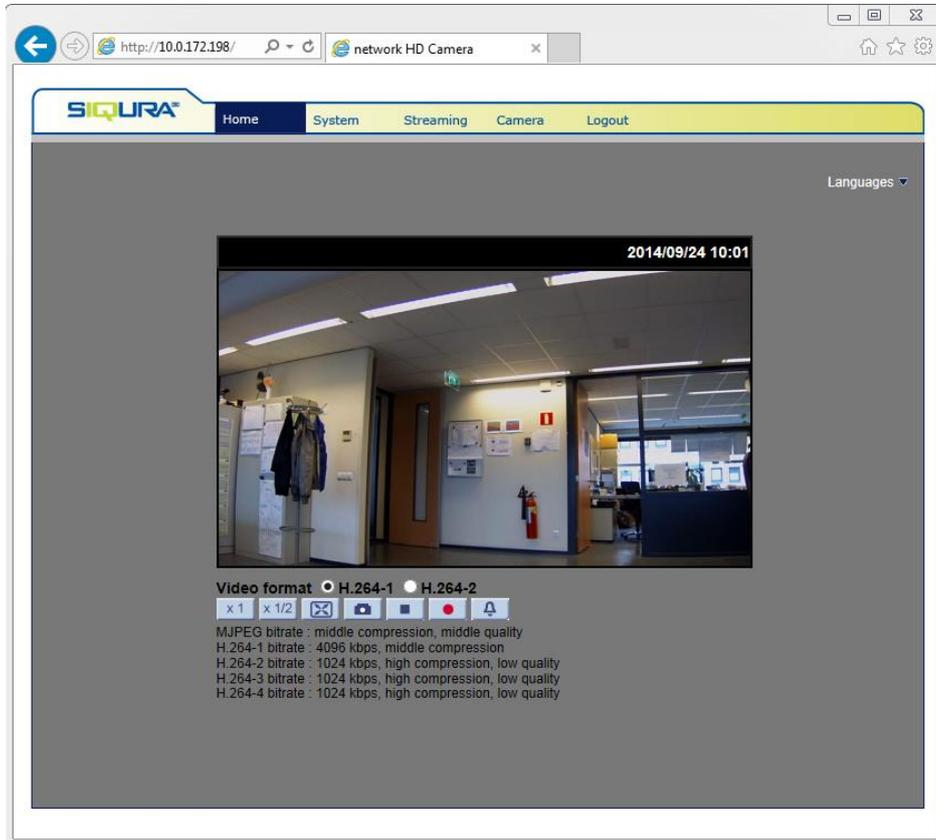
For the initial access to the camera, a client program, Siqura Viewer, is automatically installed to the PC when connecting to the camera.

If the web browser doesn't allow Siqura 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 Siqura 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.

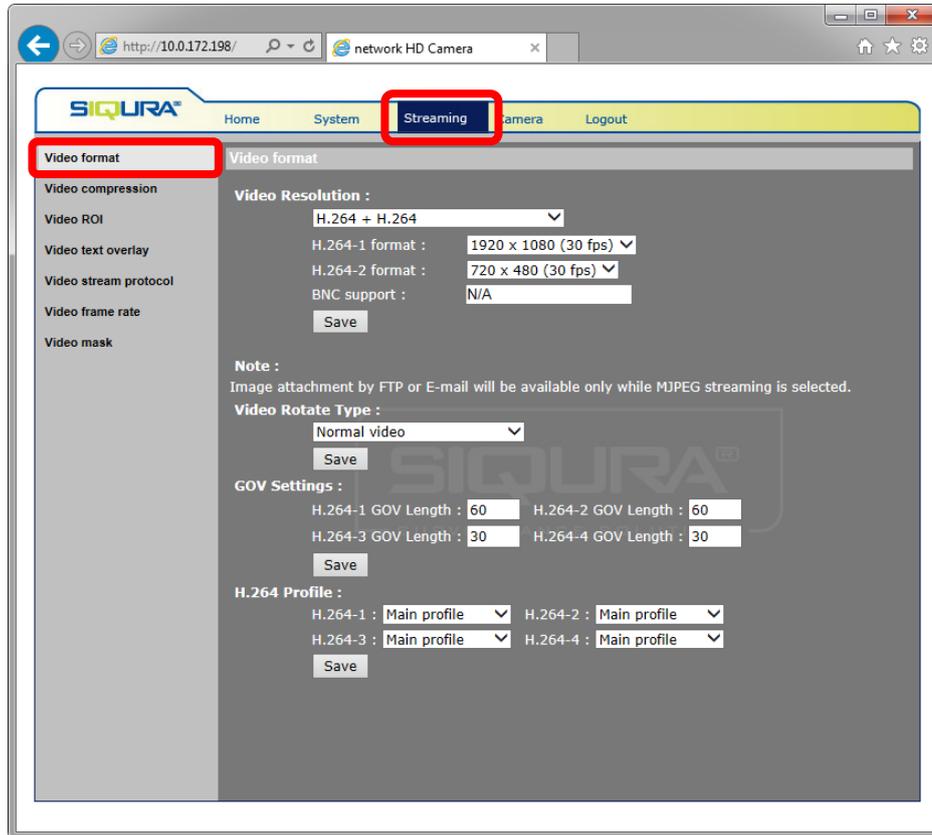


For a description of the BL810F1IR webpages, see the User Manual on the supplied Siquira Product CD (download the latest version at www.siquira.com).

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 Siquira Viewer from the PC and how to set up the Internet security.

Note: For the technical specifications of the camera, refer to the BL810F1IR datasheet.

7.1 Delete the existing Siquira Viewer

Viewing camera images in the BL810F1IR webpages requires Siquira Viewer software. You are strongly advised to remove a previous installation of Siquira 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 Siquira Viewer

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