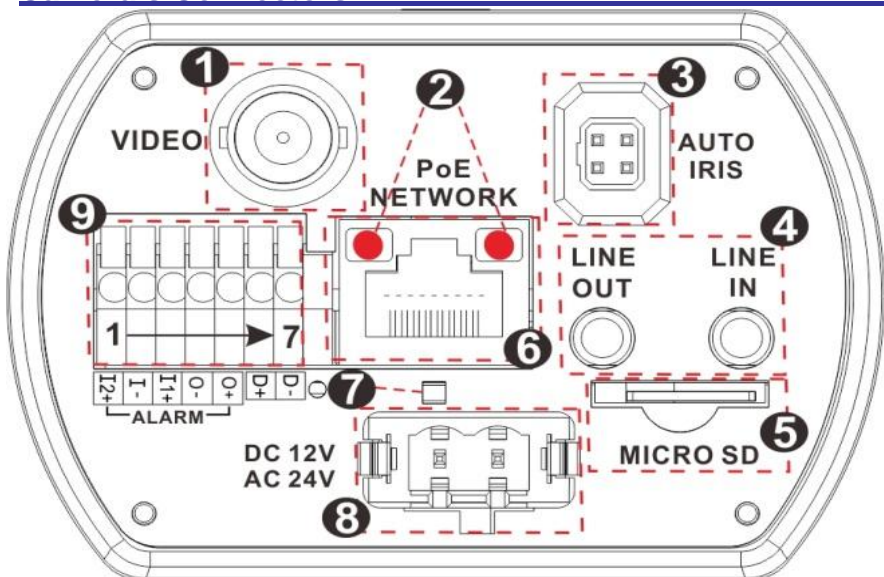# Hardware Installation

Installation Notices

- This camera must be installed by qualified personnel and the installation should conform to all local codes.

- Do not replace batteries of the camera. Risk of explosion may occur if the battery is replaced by an incorrect type.

- To use an external power supply, please contact the camera manufacturer to confirm that the power supply uses the same power specifications as the camera. The power supply must comply with the LPS requirements.

Camera's Connectors

No.	Connector	Pin	Definition	Remarks
1	BNC	-	For analogue video output	
2	Network LEDs	-	For network activity and power connection indication	
3	Auto Iris	-	Auto iris lens connection	
4	Audio I/O (Line In/Out)	-	Two-way audio transmission	
5	microSD Card Slot	-	Insert the microSD card into the card slot to store videos and snapshots. Do not remove the microSD card when the camera is powered on.	
6	PoE Network (RJ-45)	-	For network and PoE connections	
7	Default Button	-	Press the button with a proper tool for at least 20 seconds to restore the system.	
8	Power (DC 12V/AC 24V)	-	For power connection	
9	Alarm I/O & RS-485	1	Alarm In 2 +	Alarm connection
		2	Alarm In –	
		3	Alarm In 1 +	
		4	Alarm Out –	#Do **NOT** connect external power supply to the alarm I/O connector of the IP camera.
		5	Alarm Out +	
		6	D +	RS-485 connection
		7	D –	

⚠ **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. Please contact the manufacturer of the microSD card for information regarding the reliability and the life expectancy.

Mounting C/CS Mount Lens

Follow the instructions below to mount the C/CS Mount Lens to the camera.
- Remove the plastic cover from the camera.
- Remove the dustproof protective film from the CMOS image sensor.
- Mount the C/CS Mount Adapter to the camera.
- Attach the lens to the adapter.

⚠ **NOTE**: The camera supports either P-Iris or DC-Iris, and the default setting is P-Iris. If users want to change the setting to DC-Iris, please contact the camera manufacturer for assistance in advance.

Camera Cabling

Please follow the instructions below for cable connections.

Power Connection

Use a DC 12V / AC 24V adaptor and connect it to the power connector of the camera. Then, connect the adaptor to the power outlet. Alternatively, connect the Ethernet cable to the RJ-45 connector of the camera, and plug the other end of the cable to a Power Sourcing Equipment (PSE) switch.

⚠ **NOTE**: If PoE is used, make sure PSE is in use in the network.

Ethernet Cable Connection

Connect one end of the Ethernet cable to the RJ-45 connector of the All-in-One cable, and plug the other end of the cable to the network switch or PC.

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

⚠ **NOTE:** Check the status of the link indicator and activity indicator LEDs. If the LEDs are unlit, please check the LAN connection.

Green Power LED lights up when the camera is powered up.
Orange Network LED (1) flashes when data is being transmitted over network,
(2) lights up for good network connection.

⚠ **NOTE:** The ITE is to be connected only to PoE networks without routing to the outside plant or equivalent description.

QMC244100110

Before Login to the Camera

A client program will be automatically installed to the PC when connecting to the camera. Before logging in to the camera, please ensure downloading the ActiveX control is allowed by either changing the ActiveX controls and plug-ins or setting Internet's security level to default. For further details, please refer to the User's Manual.

ActiveX Controls and Plug-ins Settings	Internet Security Level
Step 1: Start the Internet Explorer (IE).	**Step 1:** Start the Internet Explorer (IE).
Step 2: Select <Tools> from the main menu of the browser. Then click on <Internet Options>.	**Step 2:** Select <Tools> from the main menu of the browser. Then click on <Internet Options>.
Step 3: Click on the <Security> tab and select <Internet>, and click on <Custom level> to change ActiveX settings.	**Step 3:** Click on the <Security> tab and select <Internet>.
Step 4: Set "ActiveX controls and plug-ins" items to <Prompt> or <Enable>.	**Step 4:** Down the page, click <Default Level> and click on <OK> to confirm the setting. Close the browser window, and open a new one later for accessing the IP camera.

Camera Login

The default IP address of the camera is: **192.168.0.250**. Therefore, to access the camera for the first time, please set the IP address of the PC as: 192.168.0.XXX; for example:

IP Address: 192.168.0.100   **Subnet Mask: 255.255.255.0**
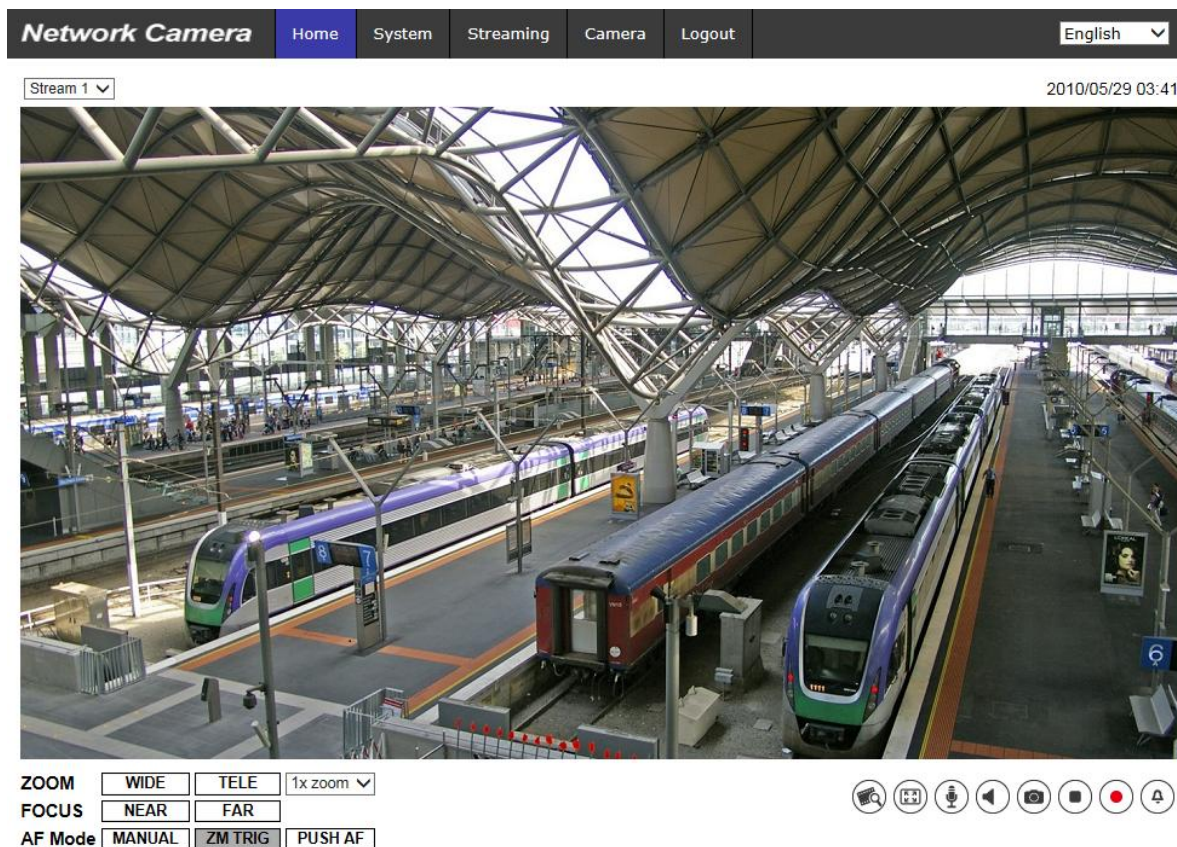
Login ID & Password

- Key in the camera's IP address in the URL bar of the web browser window and hit "Enter".
- Enter the default username (**Admin**) and password (**1234**) in the prompt request dialogue. Note that username is case sensitive.

Install the ActiveX Control

- After connecting to the camera, the request for installing the ActiveX control will appear just below the URL bar.
- Right click on the information bar and click on <Install ActiveX Control…> to permit ActiveX control installation.
- In the pop-up security warning window, click on <Install> to start downloading DCViewer software on the PC.
- Click on <Finish> after DCViewer installation is completed.

Browser-based Viewer

The main page of the IP camera user interface is as shown below.