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Setup Guide for V9360-1 Series Cameras

Vicon Industries Inc.

Tel: 631-952-2288 Fax: 631-951-2288 Toll Free: 800-645-9116
24-Hour Technical Support: 800-34-VICON (800-348-4266) UK: 44/(0) 1489-566300

Vicon Industries Inc. does not warrant that the functions contained in this equipment will meet your requirements or that the operation will be entirely error free or perform precisely as described in the documentation. This system has not been designed to be used in life-critical situations and must not be used for this purpose.

www.vicon-security.com

Connecting the V9360-1 Hemispheric Cameras



This guide provides a quick installation guide and a step-by-step procedure to set up V9360-1 IP Hemispheric Cameras for use with various open-standard Video Management Systems (VMS), including Vicon's ViconNet® Video Management System. When using the Vicon system, it assumes an understanding of ViconNet and the camera. Refer to the ViconNet and camera manuals for detailed information.

The camera has a DeviceSearch (Discovery tool) that provides a way for it to be found on the network. After it has been added to the network, the camera is then connected to the VMS.

Go to Vicon's website, www.vicon-security, to find full installation and user manuals and the DeviceSearch tool.

Installation and Connections

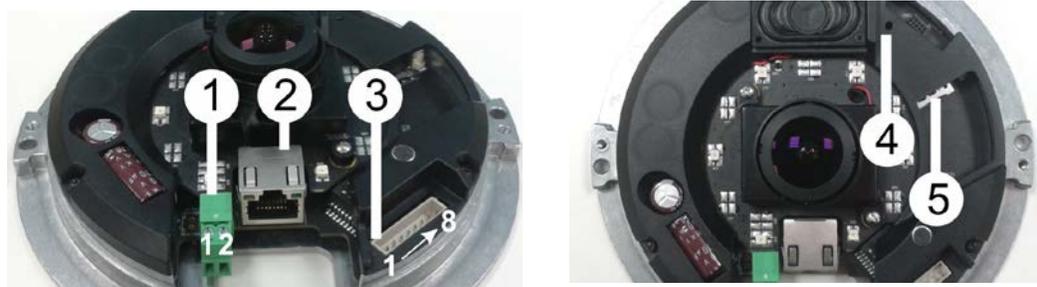
The camera package includes all the hardware necessary for installation, including terminal blocks. Additionally, a PC and monitor, a Network Switch and an RJ-45 network cable (1 for each device) are required.

PoE switches that are IEEE802.3af compliant can power the camera directly. For devices connected to a non-PoE switch, a power adapter is required with the terminal block.

Refer to the complete User Manual for detailed instruction on installation and connections.

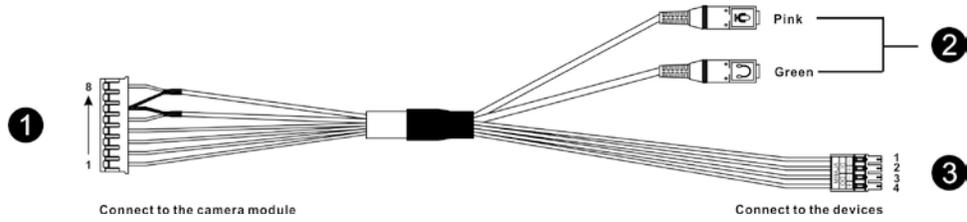
Connections

Indoor Version



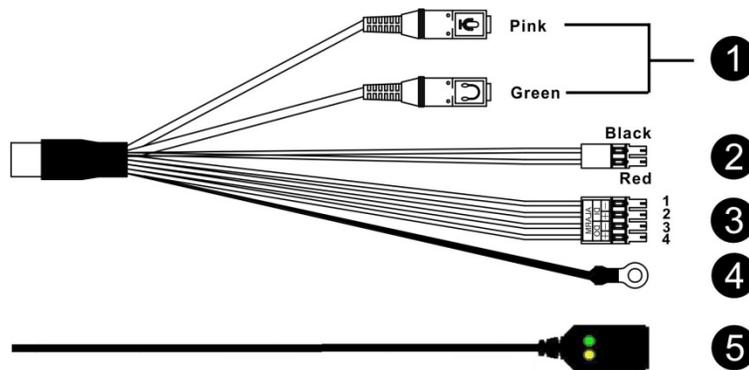
No.	Connector	Pin	Definition	Remarks	
1	Power	DC 12V	1	DC 12V	Power connection
			2	Reserved	
		AC 24V	1	AC 24V 1	
			2	AC 24V 2	
2	RJ-45	-	For network and PoE connections		
3	Alarm & Audio I/O	-	Please refer to the Alarm & Audio I/O in the table under All-in-One Cable (Optional) .		
4	Default Button	-	Press the button with a proper tool for at least 20 seconds to restore the system.		
5	microSD Card Slot	-	Insert the microSD card (customer-supplied) into the card slot to store videos and snapshots. Do not remove the microSD card when the camera is powered on.		

All-in-One Cable (Optional)



No.	Connector	Pin	Definition	Remarks
1	Alarm & Audio I/O	1	Alarm Out +	Alarm connection/Two-way audio transmission
		2	Alarm Out -	
		3	Alarm In +	
		4	Alarm In -	
		5	Audio Out	
		6	GND	
		7	-	
		8	Audio In	
2	Audio I/O	Pink	Audio In	Two-way audio transmission
		Green	Audio Out	
3	Alarm I/O (4-Pin Terminal Block)	1	Alarm In -	Alarm connection
		2	Alarm In +	
		3	Alarm Out -	
		4	Alarm Out +	

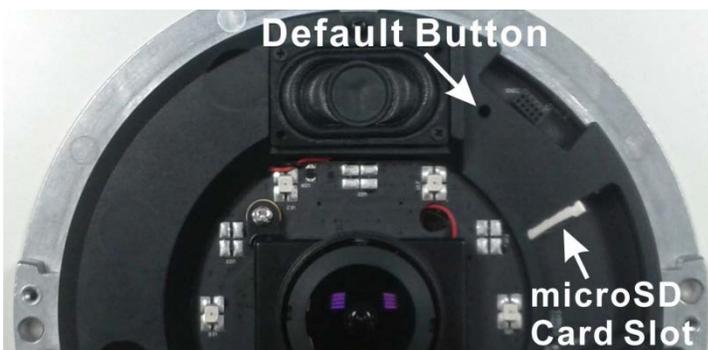
Outdoor Version Function Cables



No.	Connector	Pin	Definition	Remarks
1	Audio I/O	Pink	Audio In	Two-way audio transmission
		Green	Audio Out	
2	Power (DC 12V / AC 24V) (2-Pin Terminal Block)	Black	AC 24V -	Power connection
			DC 12V -	
		Red	AC 24V +	
			DC 12V +	
3	Alarm I/O (4-Pin Terminal Block)	1	Alarm In -	Alarm connection
		2	Alarm In +	
		3	Alarm Out -	
		4	Alarm Out +	
4	GND	-	GND	Ground connection
5	RJ-45	-	For network and PoE connections	

microSD Card Slot / Default Button

The camera's microSD card slot and default button are inside the camera cover. To use them, loosen the two security screws of the camera with the supplied tool and detach the cover.



Insert the microSD card (customer-supplied) into the card slot to store videos and snapshots.

Press the default button with proper tool for at least 20 seconds to restore the system to factory defaults.

Power Connection

Please use a DC 12V/AC 24V power adaptor and plug it to the camera and the power outlet. Alternatively, users can use an Ethernet cable and connect it to the RJ-45 connector of the camera and a Power Sourcing Equipment (PSE) switch.



NOTE: If PoE is used, verify your power source.

Ethernet Cable Connection

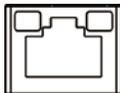
Connect one end of the Ethernet cable to the RJ-45 connector of the camera, and plug the other end of the cable to the network switch or PC.



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, check the LAN connection.



Green Link Light indicates good network connection.
Orange Activity Light flashes for network activity indication.

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, 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, refer to the User's Manual in the supplied CD.

Camera Discovery

The camera is accessed through a standard web browser, i.e., Windows® Internet Explorer®. The IP address for your PC must be within the same subnet as the IP device. You need to match the TCP/IP settings between PC and IP device before you can access it via Internet Explorer. If the IP address of the camera is not known, use the camera's DeviceSearch (Discovery tool). By default the camera is set to obtain the IP address automatically via DHCP; if your network does not have DHCP, the camera will default to an APIPA address in the 169.254.xxx.xxx range.

Note

If your network has a DHCP server and the UPnP function is enabled on your PC on the same network, you can find the camera in "My Network;" double click on the device to open its web page (the default browser must be Internet Explorer). Proceed directly to the *Adding Cameras to the Nucleus* section.

1. Execute the DeviceSearch (found on the CD included with the camera); it will search cameras on the network automatically.
2. Select the camera on the list to access the camera. The PC should be on the same subnet so it can be used to open the camera page or use it to assign a valid IP address.
3. Double click or right click and select <Browse> to access the camera directly via a web browser.
4. After connecting to the camera prompt window will display requesting the default user name and password.

Login ID	Password
ADMIN	1234

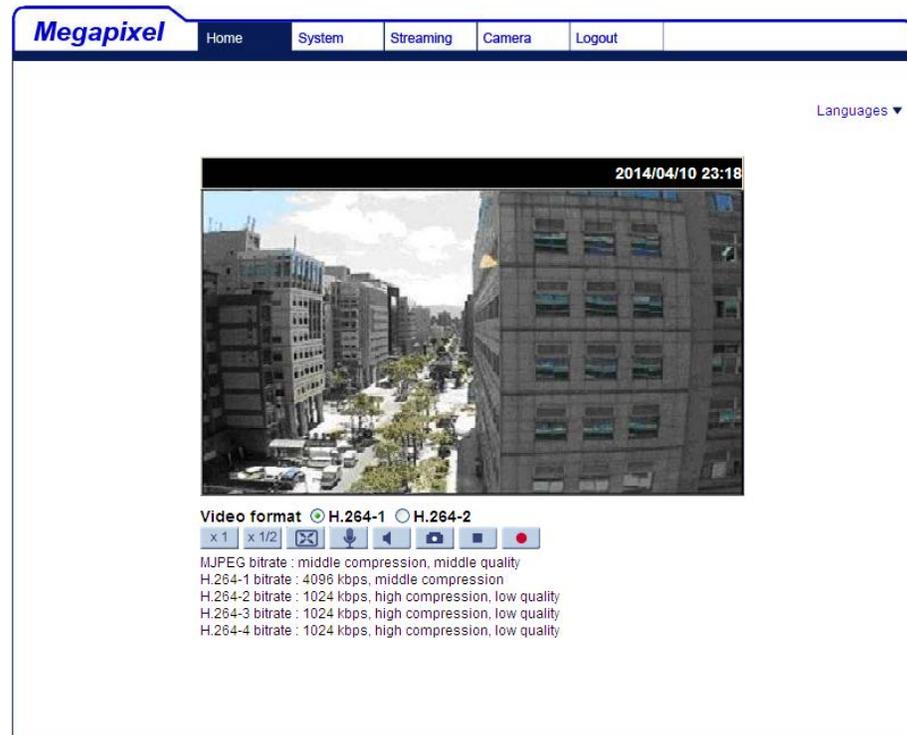
5. The default User Name is ADMIN; the default Password in 1234.

Note

User name and password are case sensitive.

If your browser has pop-up blocking enabled, you will have to allow the camera's IP. You may also be prompted to install the camera's Active X in the browser to allow the video.

6. For initial access to the camera, a client program, called DC Viewer, will be automatically installed to the PC when connecting to the camera.
7. Once the DC Viewer is successfully installed, the Home page of the camera will display.



Adding Cameras to ViconNet

The V9360-1 camera can be used with multiple open-standard VMS, including ViconNet. Refer to documentation for the specific system for connection details. When using ViconNet, follow the instructions below.

The camera must be added to the Nucleus of the system to be recognized on the ViconNet site list.

V9360-1 cameras do not require a license, but do not automatically show up on the site list and must be added to the ViconNet system. Refer to the camera manual for details on installation and setup of the camera.

Note:

V9360-1 cameras do not need to be registered and only need to be added once in the Nucleus for the entire system.

1. From the ViconNet Main window, click . The Setup Site Selection window is displayed.
2. Select the Nucleus for which you want to configure the camera and click . The System Settings window is displayed.

Open Standard
Cameras
Vicon / Other

- From the System Settings window, select the button.

- Click **Search Vicon Cameras** on the Open Standard Camera settings screen.
- The detected cameras are displayed and are added automatically to the list. A message will display to add a User Name and Password for each detected camera. The User Name and Password for the camera are the camera's identity in its browser. It is recommended that the user be administrator level to be able to access all camera features. After being named, the camera can be activated. Click on the camera. Click the **Edit Camera** button. The Camera Details area will become enabled.

Note:

Cameras will only be detected if they are on the same LAN as the PC. Cameras that are not on the LAN have to be added manually. Refer to the instruction manual for the camera to add cameras manually.

- Enter a Camera Name for this camera and select IP or DNS.
- The format is set from the camera's Video Settings screen. Select the same format, H.264, MPEG-4 or M-JPEG.
- The Port Number will default to 80; this can be changed as required.
- Enter a User Name and Password for this camera. It is recommended that the user be administrator level to be able to access all camera features. Default User and Password are "Admin" and "123456".
- Click **Save** to save the settings. An **Undo** button is provided.
- Click on the camera to be set up from the camera list. Click the **Edit Camera** button.

Vicon Industries Inc.

For office locations, visit the website:

www.vicon-security.com

