Initial Configuration

1. **Prepare the camera:**

   Remove the camera's protective packaging and open the dome cover.

2. **Attach an Ethernet cable:**

   a. Connect one end of a Cat 5 Ethernet cable to the Ethernet port on the side of the camera, and the other end (RJ45) to a Power Sourcing Equipment (PSE) device, such as a PoE switch.

   b. Verify that the LED on the port is green, indicating a good network connection. A yellow LED flashes when there is network activity.

   NOTE: The camera IP Address and the subnet mask IP Address are automatically supplied by the DHCP server.

   TIP: A camera setup adapter, such as Veracity Pinpoint, can be used to connect a laptop directly to the camera using PoE.

   NOTE: If you are using IE 9 as your web browser, work in Compatibility Mode.

3. **Set the camera's IP address:**

   a. Open the DNA application. Select the unit requiring IP assignment. See figures below.

   b. To open the DNA **Assign IP** screen, do one of the following:

      • Select the unit, right-click the mouse, and select the *Assign IP* option

      • Select the **Assign IP** button from the toolbar
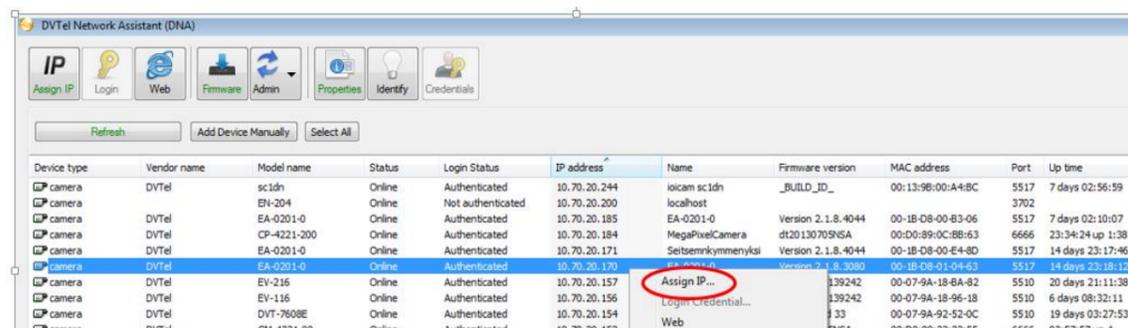
   c. If your network does not have a DHCP server, enter the IP Address, Mask (Netmask) and Gateway values in the dialog box displayed below.

   d. Click **Update** and wait for ✔ *OK* status to be displayed. The IP value has been assigned.

4. **Disconnect the cable:**

   a. Disconnect the Ethernet cable and replace the dome cover. The camera is ready for mounting in a site installation.

   b. Refer to the camera's user manual for mounting instructions.

Site Installation

WARNING: The Quasar CM series camera must be kept in a clean and dry indoor environment or in the protective outdoor mounting kit supplied with the outdoor model. Operating temperature should be maintained within -10°C ~ 50°C (14° ~ 122°F). Operating humidity should be between 10-90% (non-condensing). The camera should be kept dry, free from water condensation, dust, dirt, and smoke.

1. **Mount the camera:**

   a. Install the Quasar mini-dome camera in the ceiling according to the camera's user manual.

2. **Attach cables:**

   Thread cables through opening at the side of the camera:

   a. Plug the Cat 5 cable into the camera Ethernet port and plug the other end of the cable into an IEEE 802.3at PoE switch. If operating the heater for outdoor models, also plug a properly rated 24VAC cable into the camera power connector.

   b. If applicable, connect the Alarm In, Alarm Out, Audio In and Audio Out terminals to external devices. See the figures and table below.

Adjust Camera Settings

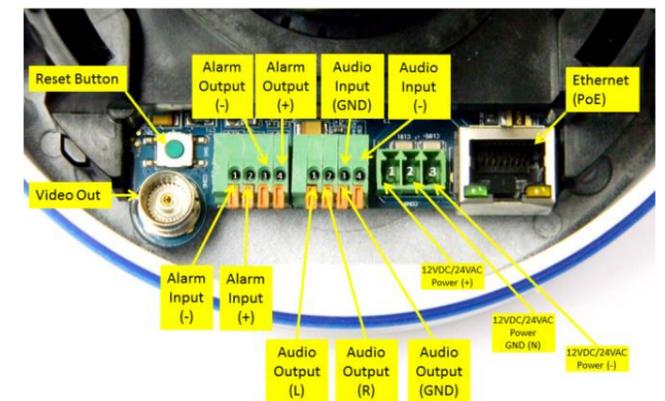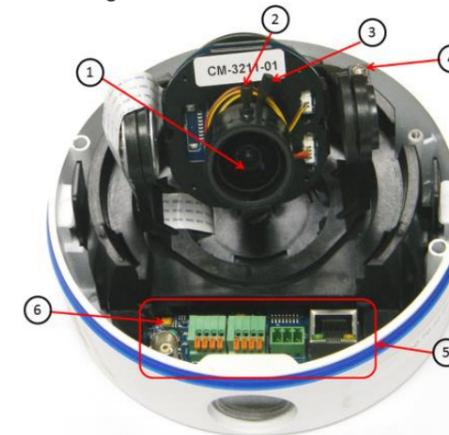Note the following locations on the camera:

Figure A: Input/Output Connections

	Name	Description
1	Lens	Camera lens
2	Focus Fixing knob	To set the focus
3	Zoom Fixing knob	To set the zoom
4	Tilt Fixed Screw	To set the tilt
5	Input/Output Connections	Refer to Figure A
6	Reset Button	Restores default settings

• To adjust the focus: Loosen and tighten by hand the adjustment knob until the optimum focus is obtained.

• To adjust the zoom: Loosen and tighten by hand the adjustment knob until the optimum zoom is obtained.

• To adjust the tilt: Loosen the screw to adjust the tilt angle.

Adjusting and Framing-Up the Camera View

1. **Camera Access and Login:**

   Access the camera in one of the following ways:

   a. If using the DNA application, click the **DNA** icon . In the Discovery List, click to select the camera, right-click to open the shortcut menu, and select **Browse**.

   b. If using a web browser, enter the camera's IP address in the URL address bar.

2. **Before logging into the camera:**

   The client application will be automatically installed once you connect to the camera through your PC/workstation web-browser for the first time. Before accessing the camera, ensure that ActiveX controls can be downloaded by (a) changing the ActiveX controls and plug-in settings or (b) setting the Internet security level to default. For further details, refer to the camera's user manual.

ActiveX Controls and Plug-in Settings	Internet Security Level
1. Start Internet Explorer. 2. Select **Tools** from the main menu of the browser. 3. Click **Internet Options**. 4. Click the **Security** tab and select *Internet*. 5. Click **Custom level** to change ActiveX settings. 6. Set *ActiveX controls and plug-ins* items to **Prompt** or **Enable**.	1. Start Internet Explorer. 2. Select **Tools** from the main browser menu. 3. Click **Internet Options**. 4. Click the **Security** tab and select *Internet*. 5. Page down, press *Default Level* and click **OK** to confirm. 6. Close the browser window. 7. To access the camera, open a new browser window.

3. **Camera Login:**

   The camera's IP address is automatically supplied by the DHCP server. To access the camera for the first time, use the Configurator application to change the camera's IP address.

4. **Login ID and Password:**

   a. Enter the camera's IP address in the browser's URL address bar and press the Enter key.

   b. Enter the default user name (*Admin*) and password (*1234*).

   NOTE: The user name is case-sensitive.

5. **Install the ActiveX control:**

   a. After accessing the camera through the web browser for the first time, a request to install the ActiveX control appears below the URL address bar.

   b. Right-click on the message, and select *Install ActiveX Control…* to permit ActiveX control installation.

   c. In the pop-up security warning window, click **Install** to start downloading the DC Viewer software onto the PC.

   d. Click **Finish** when the DC Viewer installation is completed.

   NOTE: Uninstall previous versions of DC Viewer from your PC through the Windows Add/Remove program, before accessing the camera for the first time. For more information, refer to the user's manual.

Attach in Latitude

1. In the Latitude application, on the Sidebar click **Physical View**.

2. On the Navigation Tree click the *System name.*

3. Select the **Discovery** tab and do the following:

   a. Under *Cameras and Encoders,* verify that **DVTEL HD Series** is selected.

   b. Click **Start**. The camera details are displayed in the Discovery table.

   c. If the camera wasn't found after running *Start*, click **Discover Unit Manually**.

   d. In the dialog box that opens, enter the camera's IP address, select **DVTEL HD Series**, and click **OK**.

4. In the Discovery table, right-click the camera, choose **Attach**, and then click the Archiver name to attach to.

5. When finished, click to save.

Models in the CM Series:

Model Number			Description
CM-3211-00	CM-4221-00		Indoor camera with varifocal lens
CM-3211-01	CM-4221-01		Outdoor camera with varifocal lens
CM-3211-10	CM-4221-10		Indoor camera with motorized lens
CM-3211-10-I	CM-4221-10-I	CM-4521-10-I	Indoor camera with motorized lens and infrared IR illuminator
CM-3211-11	CM-4221-11		Outdoor camera with motorized lens
CM-3211-11-I	CM-4221-11-I	CM-4521-11-I	Outdoor camera with motorized lens and infrared IR illuminator

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