

# **Initial Configuration**

- 1. Prepare the camera: Remove the camera's protective packaging.
- 2. Attach an Ethernet cable:
  - a. Connect one end of a Cat 5 Ethernet cable to the Ethernet port on the top of the camera, and the other end to a Power Sourcing Equipment (PSE) device, such as a PoE+/Ultra PoE switch.
  - b. Verify that the LEDs on the cable's RJ45 connector are green (indicating a good network connection) and flashing yellow when there is network activity.

NOTE: The camera IP Address and the subnet mask IP Address are automatically supplied by the DHCP server. In case the DHCP server is not available, the camera's default IP address is 192.168.0.250.

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 figure 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

DVTel Network	Assistant (DNA)									
IP 🦻										
Assign IP Login	Web	re Admin Prope	Identify	Credentials						
Refres	Add Der	vice Manually Select	All							
Device type	Vendor name	Model name	Status	Login Status	IP address	Name	Firmware version	MAC address	Port	Up time
Camera	DVTel	sc1dn	Online	Authenticated	10.70.20.244	ioicam sc1dn	_BUILD_ID_	00:13:9B:00:A4:BC	5517	7 days 02:56:59
Camera		EN-204	Online	Not authenticated	10.70.20.200	localhost			3702	
Camera	DVTel	EA-0201-0	Online	Authenticated	10.70.20.185	EA-0201-0	Version 2.1.8.4044	00-1B-D8-00-B3-06	5517	7 days 02: 10:07
Camera	DVTel	CP-4221-200	Online	Authenticated	10.70.20.184	MegaPixelCamera	dt20130705NSA	00:D0:89:0C:BB:63	6666	23:34:24 up 1:3
Camera	DVTel	EA-0201-0	Online	Authenticated	10.70.20.171	Seitsemnkymmenyksi	Version 2.1.8.4044	00-1B-D8-00-E4-8D	5517	14 days 23: 17:4
Camera	DVTel	EA-0201-0	Online	Authenticated	10.70.20.170	EA 0201-0	Version 7 1.8.3080	00-18-D8-01-04-63	5517	14 days 23:18:1
Camera	DVTel	EV-216	Online	Authenticated	10.70.20.157	Assign IP	139242	00-07-9A-18-BA-82	5510	20 days 21:11:3
Camera	DVTel	EV-116	Online	Authenticated	10.70.20.156	Looin Credential	139242	00-07-9A-18-96-18	5510	6 days 08:32:11
Camera	DVTel	DVT-7608E	Online	Authenticated	10.70.20.154	and a contraction	33	00-07-9A-92-52-0C	5510	19 days 03:27:5
C annual	DUTH	CH 4331 00	College	A. then the tend	10 70 20 152	Web	ENIC A	00.00.00.00.00.00.00		02.57.57

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

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

	First IP Address :	10 .	70	, 20	3	104		
	Mask :	255 .	255	. 255		0		
	Gateway :	10 .	70	. 20		1		
Status	Name		Curr	ent IF	,		Previous IP	
Ø Ok	MegaPixelCan	nera	DHC	P			10.70.20.125	
/ Ok	MegaPixelCan	nera	DHO	P			DHCP	
Ok	MegaPixelCan	hera	DHO	P			10.70.20.243	
V UK	MegaPixeiCan	hera	DHU	P			10.70.20.240	

- 4. Disconnect the cable:
  - a. Disconnect the Ethernet cable.
  - b. If you are using a power supply, turn it off and disconnect it. The camera is ready for mounting in a site installation.
  - c. Refer to the camera's user manual for mounting instructions.

# **Site Installation**

WARNING: The Quasar CP series camera must be kept in a clean and dry indoor environment or in the protective outdoor mounting kit supplied with the outdoor model. The camera should be kept dry and free from water condensation, dust, dirt, and smoke.

1. Mount the camera:

Install one of the following mounts, according to the camera's User and Installation Guide: Quasar HD PTZ Hard Ceiling Mount (supplied with indoor models): Recessed Mount; Standard Pendant Mount (Pendant Mount compatibility is standard on outdoor models); Compact Pendant Mount; Wall Box Mount; or Corner Mount.

2. Attach cables:

Thread cables through the installed mounting device and connect to the camera's back plate.

- a. Plug the Cat 5 cable into the camera's Ethernet port.
- camera's power connector.
- NOTE: If using the outdoor HPoE model, the heater can be operated while using an Ultra PoE injector.
- c. If applicable, connect the Alarm In, Alarm Out, Audio In and Audio Out terminal blocks to external devices.
- Attach and fix the camera to the mounting device. d.



Indoor Camera

Callout	Description	Callout	
1	RJ45 Connector	4	Factory
2	Audio I/O Connector	5	Power
3	Alarm I/O Connector	6	MicroS

# **PTZ Pin Assignments**

Alarm I/O

Power, Audio and Alarm connector pin-outs are shown below:

	Power Con	nector
THE OWNER OF	Pin No.	Definition
	1	AC 24-
No.4	2	FG
No.	3	AC 24+

5			5	
Connecto	r			
Pin No.	Definition	Pin No.	Definition	
1	ALARM_OUT_NO_1	7	ALARM_OUT_	COM_2
2	ALARM_OUT_NC_1	8	GND	
3	ALARM_OUT_COM_1	9	ALARM_IN_4	
4	GND	10	ALARM_IN_3	
5	ALARM_OUT_NO_2	11	ALARM_IN_2	
6	ALARM_OUT_NC_2	12	ALARM_IN_1	

b. Plug the other end of the cable into an IEEE 802.3at PoE+ switch (Ultra PoE switch for -HPoE models). If operating the heater for outdoor models, or if the network does not support PoE+/Ultra PoE, also plug in a properly rated 24VAC cable into the



#### **Outdoor Camera**

Description Default Reset Button Connector D Card Slot

o Connector					
Pin No.	Definition				
1	LINE_OUT				
2	GND				
3	LINE_IN				

# **Camera Access and Login**

1. Access the camera:

Access the camera in one of the following ways:

- 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**.
- 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
<ol> <li>Start Internet Explorer.</li> <li>Select Tools from the main menu of the browser.</li> <li>Click Internet Options.</li> <li>Click the Security tab and select Internet.</li> <li>Click Custom level to change ActiveX settings.</li> <li>Set ActiveX controls and plug-ins items to Prompt or Enable.</li> </ol>	<ol> <li>Start Internet Explorer.</li> <li>Select Tools from the main browser menu.</li> <li>Click Internet Options.</li> <li>Click the Security tab and select Internet.</li> <li>Page down, press Default Level and click OK to confirm.</li> <li>Close the browser window.</li> <li>To access the camera, open a new browser window.</li> </ol>

## 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. Camera 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.

Networks			
Automatically create unit capability sce	nes		
Discovery			
Name	Archiver	IP address	MAC address
a 10.70.20.150 (Altitude - HD Elite IP Camera)		10.70.20.150	00-D0-89-08-23-7F
a 10.70.20.164 (Altitude - HD Classic IP Came		10.70.20.164	00-D0-89-04-D6-CF
	21 C	10 70 20 100	00 00 00 00 00 00
10.70.20.190 (Altitude - HD Classic IP Came		10.70.20.190	00-00-03-00-03-00
10.70.20.190 (Altitude - HD Classic IP Came 10.70.20.193 (Altitude - HD Classic IP Came		10.70.20.190	00-D0-89-07-9F-BB
<ul> <li>10.70.20.190 (Altitude - HD Classic IP Came</li> <li>10.70.20.193 (Altitude - HD Classic IP Came</li> <li>10.70.20.194 (Altitude - HD Classic IP Came</li> </ul>		10.70.20.190	00-D0-89-07-9F-BB 00-D0-89-08-3B-5E
■ 10.70.20.190 (Attitude - HD Classic IP Came           ■ 10.70.20.193 (Attitude - HD Classic IP Came           ■ 10.70.20.194 (Attitude - HD Classic IP Came           ■ 10.70.20.194 (Attitude - HD Classic IP Came           ■ 10.70.20.199 (Attitude - HD Classic IP Came	n Archiver	10.70.20.193 10.70.20.193 10.70.20.194 0.70.20.199	00-D0-89-07-9F-BB 00-D0-89-07-9F-BB 00-D0-89-08-3B-5E 00-D0-89-05-29-9C

## Models in the CP Series:

Model Number	Description
CP-3211-180	Indoor camera with 18x optical zoom
CP-4221-200	Indoor camera with 20x optical zoom
CP-3211-181	Outdoor camera with 18x optical zoom
CP-4221-201	Outdoor camera with 20x optical zoom
CP-4221-301-HPoE	Outdoor camera with 30x optical zoom, Ultra PoE

## How to Contact DVTEL:

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For assistance, email us at support@dvtel.com or visit http://www.dvtel.com/support.

ssword Policy Logical IDs	Discovery	Audit Trail	Advanced	Mass Exp
rder Range System 1		1		∎ ¢ 1
Cameras and Encoders Niscovery Method				
Proprietary Of	WIF			
Select all				
Arecont Axis Bosch OVTel 9x20 Series OVTel Po Dine DVTel Pro Line A DVTel Pro Line A DVTel Pro Line A IOlmage I Qeye	DVT	el HD Ser <sub>Scan</sub>	IP Range Username Ac Password	min **



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