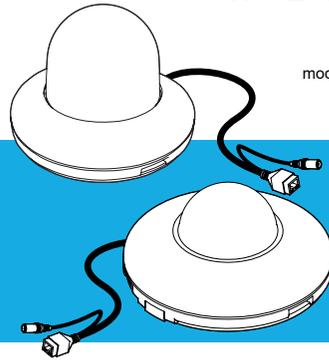




# Outdoor Repositionable IP Dome Camera

Quick Start Guide

model no: C7022-FPW  
C7022-APW



Please carefully read these instructions before using this product. Save this document for future use.

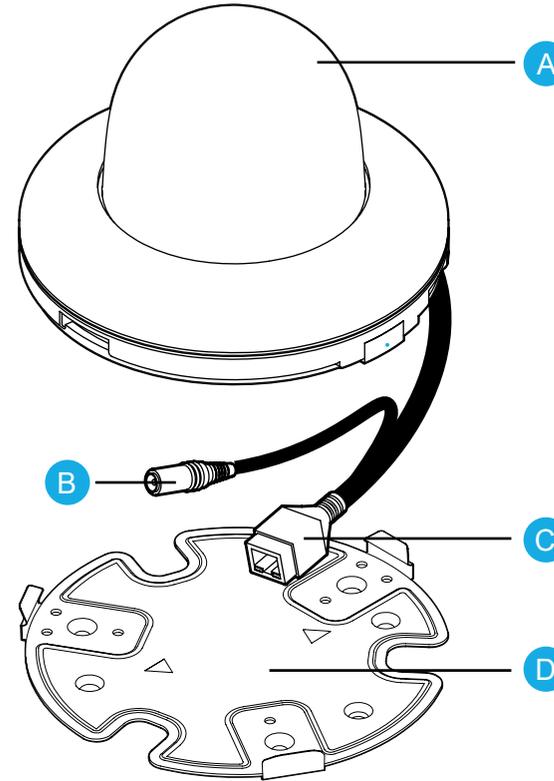
## 1. General Specifications

Model No.	C7022	
	FPW	APW
Image Sensor	Sony 1/2.8" CMOS	
IP Rating	IP66 (Outdoor)	
Wide Dynamic Range	True WDR	
Minimum Illumination @ 50 IRE	Color: 4.0 Lux @ F1.6 B/W: 0.8 Lux @ F1.6	Color: 4.6 Lux @ F3.5 B/W: 1.5 Lux @ F3.5
Minimum Illumination @ 30 IRE	Color: 2.4 Lux @ F1.6 B/W: 0.5 Lux @ F1.6	Color: 2.8 Lux @ F3.5 B/W: 0.9 Lux @ F3.5
Day / Night	True Day / Night (IR Cut Filter)	
Resolution	1080p (2 MP)	
Focal Length	4 mm (86° FoV)	5 ~ 25 mm (5x zoom) (49.2° ~ 105.2° FoV)
Iris Control	F 2.0 Fixed	F3.5 ~ F3.7
Video Output	1.0Vpp 75Ω BNC Unbalanced	
White Balance	Auto, Manual, Preset	
Auto White Balance Range	2000K ~ 11000K	
Backlight Compensation	Yes	
Auto Gain Control	Yes	
Operating Temperature	14°F (-10°C) ~ 122°F (50°C)	
Power Consumption	8.2W Max	9W Max
Rated Amperage	0.68A	0.75A
Input Voltage	Power over Ethernet / 12vDC	
Weight	0.97 lb (439 g)	1.1 lb (499 g)
Dimensions	(H x W) 3.27" x 4.92" (83mm x 125mm)	
Housing / Dome Cover	White / Clear	

## 2. Products and Accessories

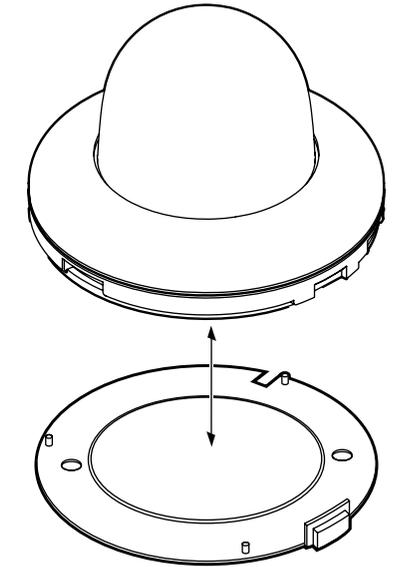
<p>Camera with Cables</p>	<p>Mount Bolt &amp; Nut - 2 pcs</p>
<p>Torx Wrench</p>	<p>Screw &amp; Plastic Anchor - 3 pcs</p>
<p>Mount Plate</p>	<p>Quick Start Guide</p>
<p>Template Sheet for Installing by Bolt &amp; Nut</p>	<p>Template Sheet for Installing by Plate</p>

## 3. Product Overview



- A - Dome Cover
- B - 12vDC Cable
- C - Ethernet Cable
- D - Mount Plate

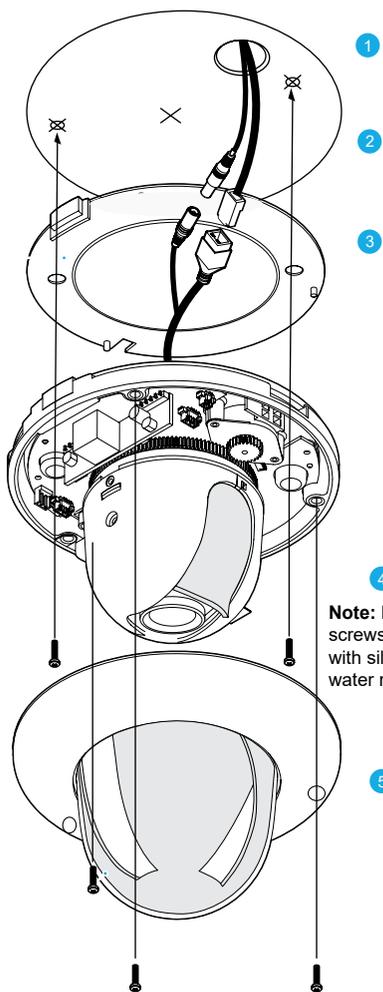
## 4. Before Installation



The camera is shipped with protective foam and plastic covering to ensure product safety. Before installation, all protective foam and plastic must be removed. The camera dome cover must be removed to access all protective packaging.

**Note:** When mounting the camera, it must be installed onto a horizontal surface, ideally the ceiling. If you wish to mount the camera to a vertical surface, such as the wall, you will need to install a wall mount.

## 5. Installation Using Screws



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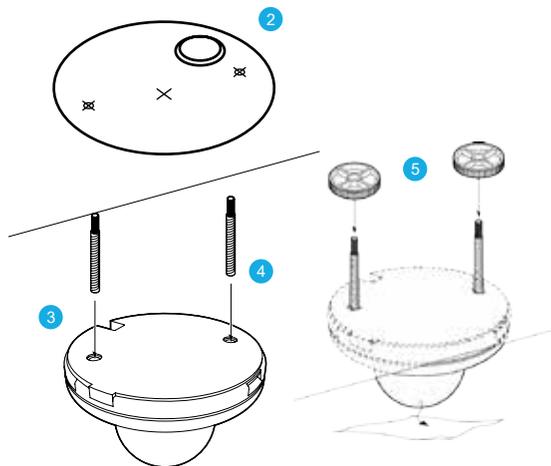
4

**Note:** Before tightening the screws, prep the screw holes with silicone caulking to ensure water resistance.

5

- Using the template sheet provided for installation, make a hole in the ceiling for the cabling.
- Pull the cables through the hole in the ceiling.
- Connect the ceiling cables to the camera cables.
- Screw the camera base into the ceiling through the screw mount holes. Before tightening the screws, seal with silicone caulking to ensure water resistance.
- Re-attach the dome cover to the camera using screws.

## 7. Installation Using Mount Bolt & Nut or Mount Plate



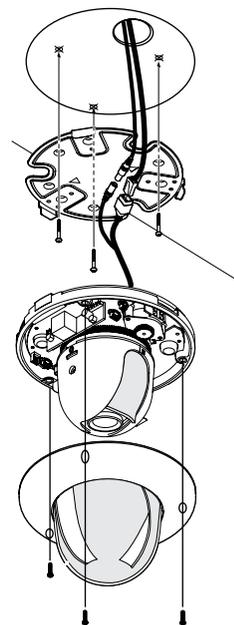
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- Disassemble the camera. See '4. Before Installation.'
- Using the template sheet provided for installation, make a hole in the ceiling for the cabling.
- Pull the cables through the hole in the ceiling and connect to the camera cables.
- Screw the mounting bolts into the base of the camera and into the ceiling. Seal mounting bolts to ensure water resistance.
- Screw the nuts onto the bolts and secure tightly. Or see "5A for mount plate installation."
- Affix the dome cover to the camera base and remove the protective film from the dome.



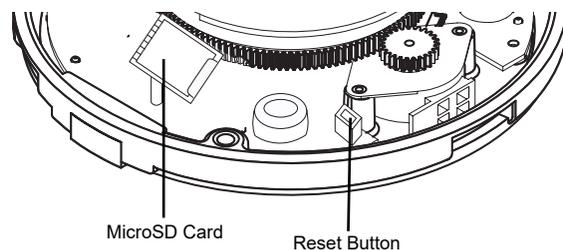
4A

5A

6A

- Using screws, attach the mount plate to the ceiling.
- Attach the camera base to the mount plate by pressing the base into the plate with the bezels and plate hooks aligned until a 'snap' is heard and the camera is secure.
- Ensure mounting screw holes are sealed properly to ensure water resistance.

## 8. MicroSD & Reset



MicroSD Card

Reset Button

**MicroSD Card:** a microSD card can be used for emergency back-up. Insert the card as shown. The camera is compatible with up to a 16GB microSD card.

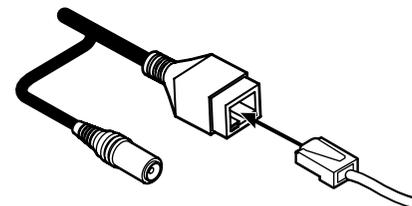
**Reset Button:** the reset button will return the camera to default factory settings. Press and hold the reset button for 5 seconds to return the camera to factory default settings.

## 9. Cabling

This camera is compatible with 12vDC and Power over Ethernet (PoE). Connect power to the camera using the provided power connector lead or connect the camera to a PoE power source. If you are connecting 12vDC power, verify the polarity of the power connection. If you are using PoE, make sure the Power Sourcing Equipment (PSE) is in use in the network.

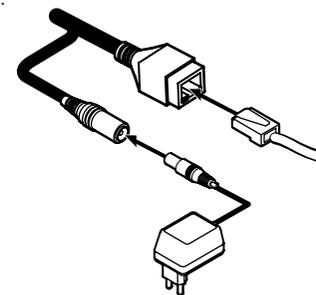
### PoE Power Source:

PoE allows for the transmission of power and data via a single Ethernet cable. PoE eliminates the need for multiple cables to support power and recording. Follow the installation below to connect the camera to a PoE-enabled switch using an Ethernet cable.



### 12vDC Power:

If PoE is not being used, a power adapter is needed for power transmission. Follow the instructions below to connect the camera without a PoE cable.



## 10. Connecting to the IP Camera

To access the camera setup menu, you need to install the AvertX Network Camera Manager on your PC or recorder. To install the AvertX Network Camera Manager application on your PC, download the program from [AvertX.com/downloads](http://AvertX.com/downloads), and follow the prompts.

- Open **Network Camera Manager**, and click **Find Devices**.
- Locate your camera on the **Network Camera Manager** list.
- To open the viewer software in your web browser, double-click the camera, and then click **Browse**.

The first time you connect to the camera you will automatically be prompted to install the ActiveX controller. If your internet browser doesn't install the viewer software, check the security settings or ActiveX controls and plug-in settings. If your internet browser asks for permission to install the ActiveX control, you must allow the ActiveX control to continue the installation.

To enable installation of ActiveX controls on Internet Explorer:

- From the **Tools** menu, click **Internet Options**.
- Click the **Security** tab and then click the **Internet** icon.
- Click **Custom Level** and ensure that all **ActiveX controls and plug-ins** are set to **Enable** or **Prompt**.

To add the camera to your trusted sites:

- From the **Tools** menu, click **Internet Options**.
- Click the **Security** tab and then click **Trusted Sites** icon.
- Click **Sites**.
- Type the IP Address of the camera. Ensure that the **Require server verification** check box is unchecked.

For additional information on adjusting the settings of your internet browser, contact your system administrator or refer to the FAQs at [AvertX.net](http://AvertX.net).

### Default Username and Password

The username and password are case sensitive. It is strongly recommended that the password be changed after the initial setup to prevent unauthorized access.

Username - **admin**

Password - **1234**

## 11. Assigning an IP Address

AvertX IP cameras are set to get an IP address automatically using DHCP. If a DHCP server like a router is not part of your network, all cameras will have the default IP address 192.168.0.250.

AvertX recommends changing the IP address even if a DHCP server has assigned the camera an address.