



- DWC-PVX20WATW: MEGApix® IVA™ preloaded
- DWC-PPVX20WATW: MEGApix® IVA+™ preloaded



Default login information: admin | admin

When logging into the camera for the first time, you will be prompted to set up a new password. You can set the new password using the DW® IP Finder™ software or directly from the camera's browser menu.

WHAT'S IN THE BOX

Star Wrench (T-20)		1	RJ45 Installation Tool		1
Test Monitor Cable		1	Moisture Absorber and Installation Guide (Recommended)		1
Quick Setup and Download Guides		1 set	Grommet		1
PoE Injector		1			

ACCESSORIES REQUIRED TO INSTALL THE CAMERA (SOLD SEPARATELY)

Wall mount bracket: DWC-PV20WMW	Ceiling mount bracket: DWC-PV20CMW	Flush mount: DWC-PV20FMW	Junction box: DWC-PV20JUNCW
Parapet bracket and tilting adapter (each sold separately): DWC- PZPARAM, DWC-PV20ADPW			

**NOTE:** Mounting accessories are required and sold separately.

**NOTE:** Download all your support materials and tools in one place

- Go to: <http://www.digital-watchdog.com/resources>
- Search your product by entering the part number in the 'Search by Product' search bar. Results for applicable part numbers will populate automatically based on the part number you enter.
- Click 'Search'. All supported materials, including manuals and quick start guide (QSGs) will appear in the results.



**Attention:** This document is intended to serve as a quick reference for initial set-up. It is recommended that the user read the entire instruction manual for complete and proper installation and usage.

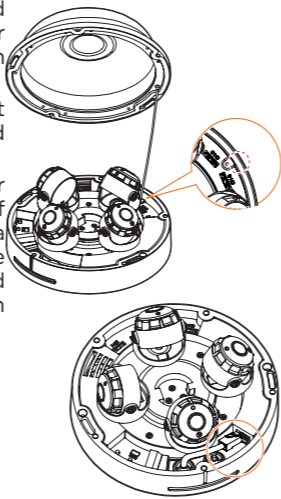
Tel: +1 (866) 446-3595 / (813) 888-9555

digital-watchdog.com

Technical Support Hours:  
9:00 AM – 8:00 PM EST, Monday through Friday

STEP 1 - PREPARING TO MOUNT THE CAMERA

- The mounting surface must bear five times the weight of your camera.
- Avoid allowing cables to become pinched or abraded during installation. If the plastic wire jacket of the electrical line is damaged, it could result in an electrical short or fire.
- CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- Ensure that this product is supplied power by a UL Listed Power Supply Unit marked "Class 2" or "LPS" or "PS2" and rated 12 Vdc, 2.3A or PoE (802.3bt) 0.64A min.
- The wired LAN hub providing power over the Ethernet (PoE) in accordance with IEEE 802.3bt shall be a UL Listed device with the output evaluated as a Limited Power Source as defined in UL60950-1 or PS2 as defined in UL62368-1.
- Unit is intended for installation in a Network Environment 0 as defined in IEC TR 62102. As such, associated Ethernet wiring shall be limited to inside the building.
- For the installation process, remove the dome cover from the camera by loosening the screws on the side of the dome. Connect the camera's dome to the camera base using the safety wire. Hook the safety wire to the screw at the base of the camera. Keep the inner and outer protective films on the dome during the installation to make sure no dust or smudges are left on the dome.
- Install the moisture absorber under the camera's network cable connector.
  - Remove the moisture absorber from the packaging.
  - Place the moisture absorber on the base of the camera, according to the diagram below.



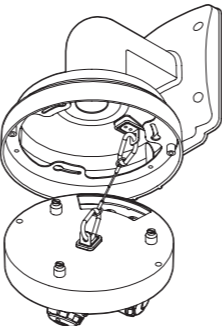
**NOTE:** The camera will generate enough heat to dry moisture during operation. In most cases it will not need the moisture absorber for more than the first day. In cases where the camera can experience a moisture issue, users must keep the moisture absorber in the camera. The moisture absorber has an approximately 6-month life cycle, varying depending on the environment.

**WARNING:** It is highly recommended that you install the moisture absorber when mounting the camera. The moisture absorber prevents moisture from being captured inside the camera's housing, which may cause image performance issues and damage the camera.

- Using the mounting template sheet for the mounting accessory, or the mounting accessory itself, mark and drill the necessary holes in the wall or ceiling. See the accessory's QSG for more information.

**NOTE:** A wall mount, ceiling mount, junction box, or in-ceiling flush mount are sold separately and are required to complete the camera's installation.

- Secure the camera base to the mounting accessory using the second safety wire.



STEP 2 - POWERING THE CAMERA

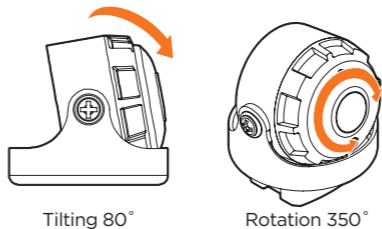
Pass the wires through the mounting accessory and make all the necessary connections at the base of the camera. See STEP 4.

- When using a PoE switch or PoE Injector (included), connect the camera using an Ethernet cable for both data and power.
- When not using a PoE switch or PoE Injector, connect the camera to the switch using an Ethernet cable for data transmission and use a power adapter to power the camera.

Power requirements	Power consumption
DC12V, PoE IEEE 802.3bt PoE+ class 5 (High power PoE injector included)	DC12V: max 28W PoE: max 31W

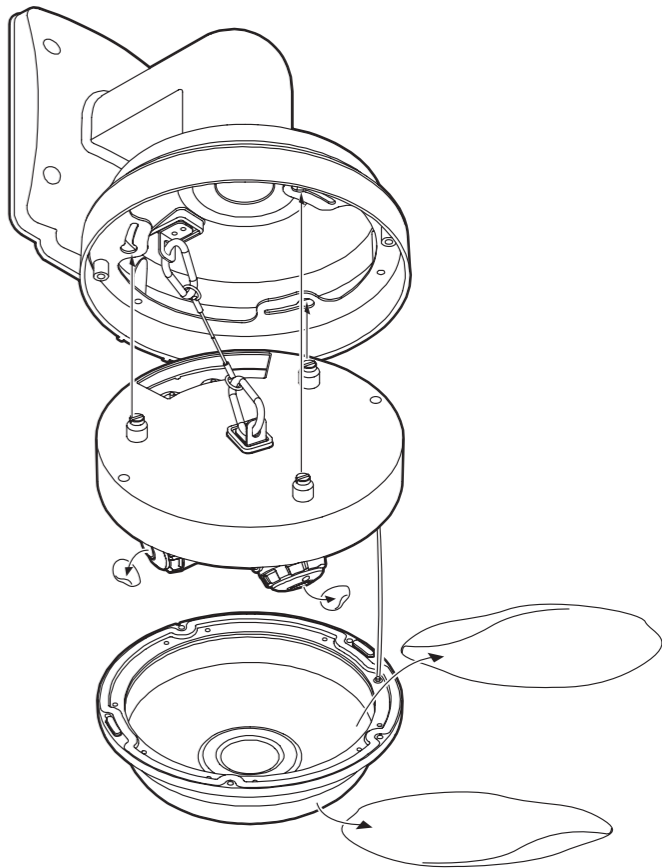
STEP 3 - MOUNTING THE CAMERA

- Once all cables are connected, secure the camera base to the mounting accessory. Align the indented lines on the side of the camera with the lines on the mounting bracket as seen in the image on the right. Rotate the camera counter-clockwise to lock it into position.
- Adjust the position of the camera modules on the magnetic surface as needed. The camera modules can be moved between 1-5 positions for the ultimate coverage and view. Each camera is labeled with numbers 1-4 for the module's order. The modules snap into position using the magnetic track, allowing for maximum customization and fully adjustable views.
- Adjust the camera modules' angle and direction. Each camera can be rotated 350° and tilted a maximum of 80°.

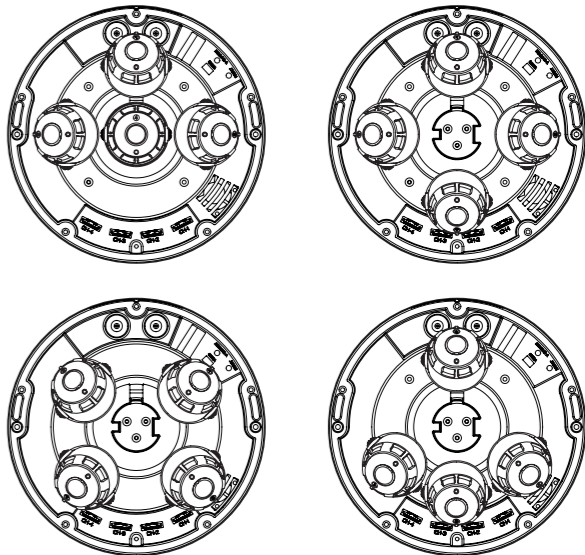


- Remove the protective film attached to each of the lens modules once they are in place.
- Remove the dome cover protective films from both inside and outside of the dome cover. Secure the dome cover to the camera's base using the included star wrench to complete the installation.

**NOTE:** Only lens modules #3 and #4 can be seated in the center (5th) position. Trying to place lens modules #1 or #2 in the center may result in risk of pulling out or damaging the wire connection for the lens module.



Lens modules configuration options

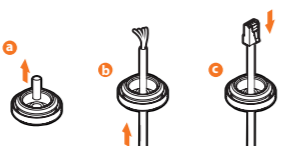


## STEP 4 – CABLING

### 1. Network cable - To connect an RJ45 cable to the camera:

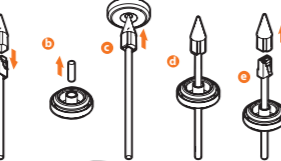
Option A (recommended):

- Remove the grommet plug.
- Pass the network cable through the grommet at the base of the camera.
- Once the cable is through, add the RJ45 connector and connect to the network port.



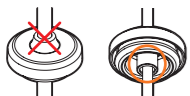
Option B:

- Attach the included RJ45 installation tool to the network cable.
- Remove the grommet plug.
- Pass the network cable through the grommet. Pay attention to the direction of the grommet connection.
- Once the cable's connector is through, remove the installation tool.



Once the network cable is passed through the grommet:

- Insert the grommet into the bottom of the camera base.



**NOTE:** Bending the cable may cause water leakage.

- Connect the RJ45 into the camera's network input at the base of the camera.

**NOTE:**



Use the cable with a diameter of Ø0.19" ~ Ø0.31" (Ø5.0 ~ Ø8.0mm).

The camera's power, sensor and audio inputs and outputs are located on a terminal block, next to the "V-Change" toggle and reset button.

- Power** - If you are using a non-PoE switch, connect the camera to an adequate power adapter to power the camera.

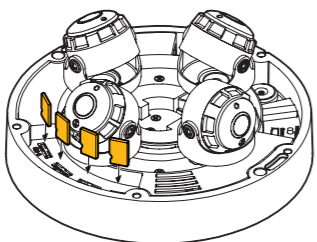
- Sensor/alarm input and output** - connect an external sensor input and alarm output to the camera's terminal block.

- Audio input** - use the camera's audio-in port to connect a microphone or "line out" port of an amplifier.

+	-	+	-	+	-	IN	COM	OUT
DC12V	DI	DO						AUDIO

## STEP 5 – MANAGING THE SD CARD

- Locate the SD card slots at the base of the camera. The camera supports up to four (4) SD cards.
- Insert a class 10 SD card into an SD card slot by pressing the SD card into the slot until it clicks into position.
- Press the card inward to release it from the card slot.



## STEP 6 – DW® IP FINDER™

Use the DW® IP Finder™ software to scan the network and detect all MEGApix® cameras, set the camera's network settings or access the camera's web client.

Thumbnail view

Select network to scan

Filter results

Scan network

Show/hide thumbnail view

Refresh thumbnail view

Bulk IP assignment

Bulk password assignment

Firmware upgrade

Selected camera's username and password

Firmware version

Camera's uptime

Open IP configuration settings

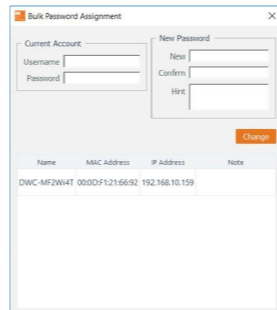
Ping camera

Camera's network information

Camera's name, IP and MAC addresses

### Network Setup

- To install the DW IP Finder, go to: <http://www.digital-watchdog.com>
- Enter "DW IP Finder" on the search box at the top of the page.
- Go to the "Software" tab on the DW IP Finder page to download the installation file.
- Follow the installation to install the DW IP Finder. Open the DW IP Finder and click 'Scan Devices'. It will scan the selected network for all supported devices and list the results in the table. During the scan, the DW® logo will turn gray.
- When connecting to the camera for the first time, a password must be set. To set up a password for your camera:
  - Check the box next to the camera in the IP Finder's search results. You can select multiple cameras.
  - Click "Bulk Password Assign" on the left.
  - Enter admin/admin for the current username and password. Enter a new username and password to the right. Passwords must have a minimum of 8 characters with at least 4 combinations of uppercase letters, lowercase letters, numbers and special characters. Passwords cannot contain the user ID.
  - Click "change" to apply all changes.
- Select a camera from the list by double-clicking



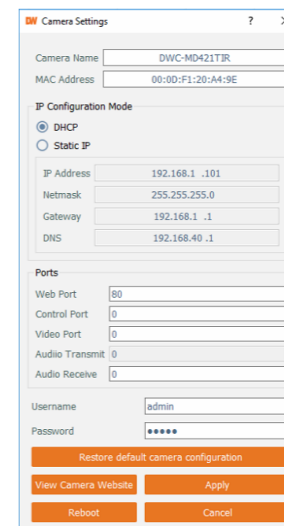
on the camera's image or click on the 'Click' button under the IP Conf. column. The pop-up window will show the camera's current network settings, allowing admin users to adjust the settings as needed.

- To access the camera's web page, click on the 'View Camera Website' from the IP Config window.
- To save changes made to the camera's setting, enter the username and password of the camera's admin account and click 'Apply'.

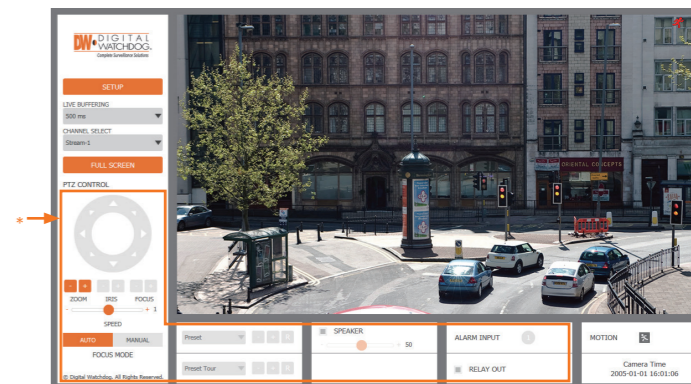
- Select DHCP to allow the camera to receive its IP address automatically from the DHCP server.
- Select "Static" to manually enter the camera's IP address, (Sub)Netmask, Gateway and DNS information.
- The camera's IP must be set to static if connecting to Spectrum® IPVMS. Contact your network administrator for more information.

- Default TCP/IP information: DHCP.

- Port forwarding must be set in your network's router to access the camera from an external network.



## STEP 6 – WEB VIEWER

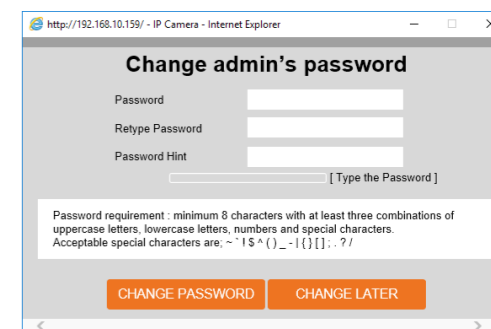


The GUI display may differ by camera models.

Once the camera's network settings have been setup properly, you can access the camera's web viewer using the DW IP Finder.

To open the camera's web viewer:

- Find the camera using the DW IP Finder.
- Double-click on the camera's view in the results table.
- Press the 'View Camera Website'. The camera's web viewer will open up in your default web browser.
- Enter the camera's username and password you setup in the DW IP Finder. If you did not setup a new username and password via the DW IP Finder, you will not be able to view the video from the camera. A message will direct you to setup a new password for the camera to view the video.



- When accessing the camera for the first time, install the VLC player for web files to view video from the camera.

**NOTE:** Some menu options may not be available based on the camera model. See the full manual for more information.

**NOTE:** Please see the full product manual for web viewer setup, functions and camera settings options.