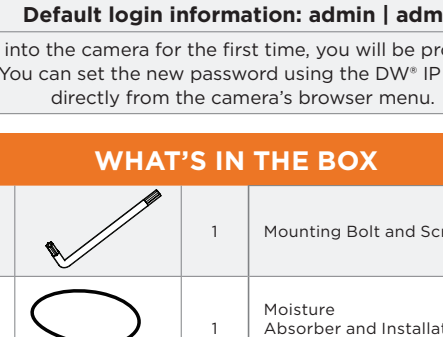


MEGAPIX®

IP Cameras

MEGApix® IVA+™ models	MEGApix® IVA™ models
DWC-MPVC8WiATW	DWC-MVC8WiATW
DWC-MPVC8Wi28TW	DWC-MVC8Wi28TW



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	Mounting Bolt and Screws		1 set
Test Monitor Cable		1	Moisture Absorber and Installation Guide (Recommended)		1
Screws and Plastic Anchors - 2pcs		1 set	RJ45 Installation Tool		1
Mounting Template		1	Quick Setup and Download Guides		1 set
Grommet		1			

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.

SAFETY AND WARNING INFORMATION

Read through this Installation Guide carefully before installing the product. Keep the Installation Guide for future reference. See the user manual for more information on the proper installation, use and care of the product. These instructions are intended to ensure that users can use the product correctly to avoid danger or property loss. Warnings: Serious injury or death may occur if any of the warnings are neglected. Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

WARNING

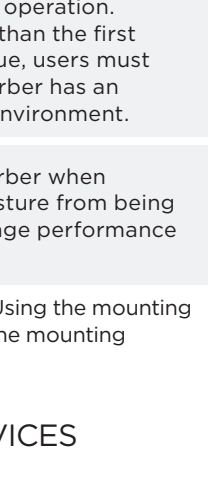
- In the use of the product, you must strict compliance with the electrical safety regulations of the nation and region. When the product is mounted on a wall or ceiling, the device shall be firmly fixed.
- Be sure to use only the standard adapter specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product.
- Make sure the power supply voltage is correct before using the camera.
- Incorrectly connecting the power supply or replacing the battery may cause an explosion, fire, electric shock, or damage to the product.
- Do not connect multiple cameras to a single adapter. Exceeding the capacity may cause excessive heat generation or fire.
- Securely plug the power cord into the power source. An insecure connection may cause a fire.
- When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
- Do not install in a location subject to elevated temperature, low temperature, or high humidity. Doing so may cause fire or electric shock.
- Do not place conductive objects (e.g. screwdrivers, coins, metal items, etc.) or containers filled with water on top of the camera. Doing so may cause personal injury due to fire, electric shock, or falling objects.
- Do not install in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
- Do not install near any heat sources such as radiators, heat registers, or other products (including amplifiers) that produce heat.
- Keep out of direct sunlight and heat radiation sources. It may cause a fire.
- If any unusual smells or smoke come from the unit, stop using the product at once. Immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
- If this product does not operate normally, contact the nearest service center. Never disassemble or change this product in any way.
- When cleaning the product, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

CAUTION

- Use proper safety gear when installing and wiring the product.
- Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
- Do not use this product near water.
- The product shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.
- Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the image sensor.
- The Main plug is used as a disconnect device and shall stay readily operable at any time.
- Remove the power adapter from the outlet when there is lightning. Neglecting to do so may cause fire or damage to the product.
- Do not block any ventilation openings. Install following the manufacturer's instructions.
- A polarized or grounding-type plug is recommended for this product. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. If the provided plug does not fit into your outlet, consult an electrician for replacement.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
- If any laser equipment is used near the product, make sure the surface of the sensor is not exposed to the laser beam as that may damage the sensor module.
- If you want to move the already installed product, be sure to turn off the power and then move or reinstall it.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, please cover the lens cap to protect the device from dirt.
- Use only attachments/accessories specified by the manufacturer.
- Always use hardware (e.g. screws, anchors, bolts, locking nuts, etc.) compatible with the mounting surface and of sufficient length and construction to ensure a secure mount.
- Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product.
- Unplug this product when a cart is used. Use caution when moving the cart/product combination to avoid injury from tip-over.
- Refer all servicing to qualified service personnel. Servicing is needed when the product has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

STEP 1 - PREPARING TO MOUNT THE CAMERA

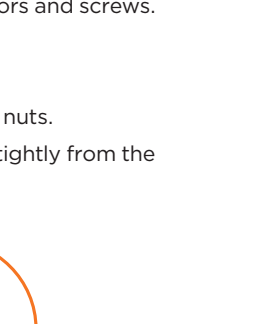
- The mounting surface must withstand five times the camera weight.
- Do not let the cables get caught in improper places or the electric line cover can be damaged. This may cause a short or fire.
- CAUTION:** These installation instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any work on the inside of the camera other than that contained in the operating instructions unless you are qualified to do so.
- This product is intended to be supplied by a UL Listed Power Supply Unit marked "Class 2" or "LPS" or "PS2" and rated 12 Vdc, 0.83A min or PoE (802.3af), 0.27A min. (1/2.8" sensor size).
- The wired LAN hub providing Power over the Ethernet (PoE) in accordance with IEEE 802.3af 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.
- The unit is intended for installation in a Network Environment 0 as defined in IEC TR 62102. As such, associated Ethernet wiring should be limited to inside the building.
- For the installation process, remove the dome cover from the camera module by loosening the three (3) screws on the dome. Use the wrench provided with the camera.



WARNING

DO NOT TOUCH THE SURFACE OF THE BUBBLE. CleanView™ Hydrophobic Dome Coating has been applied to the camera's dome.

- Install the moisture packet in the base of the camera's lens.
 - Remove the existing packet from the camera's base.
 - Insert the new moisture absorber packet in its place, as seen in the diagram below.
 - Place the moisture absorber under the camera's lens module.



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.

- Remove the protection film between the dome and the camera module. Using the mounting template sheet or the camera itself, mark and drill the necessary holes in the mounting surface.

STEP 2 - CABLING THE CAMERA TO EXTERNAL DEVICES

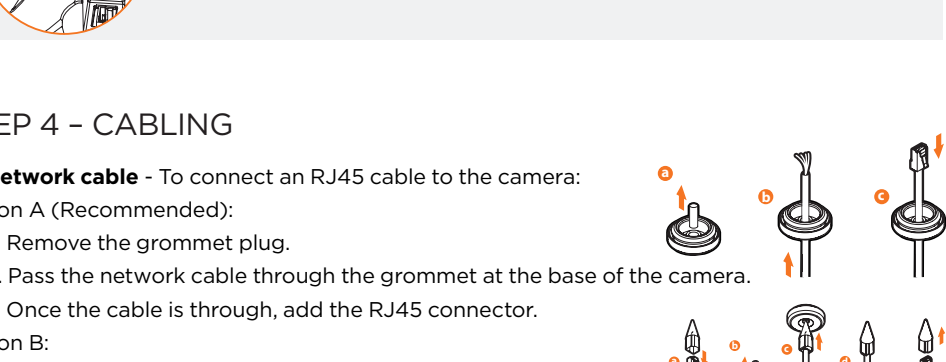
Pass the wires through the mount bracket and make necessary connections.

- If you are using a PoE switch, connect the camera using an Ethernet cable for both data and power.
- If you are using a non-PoE switch, 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 requirements	Power consumption
DWC-MVC8WiATW DWC-MPVC8WiATW	DC 12V, PoE (IEEE 802.3af Class 3). (Adapter not included)	DC12V: 9W PoE: 11.52W
DWC-MVC8Wi28TW DWC-MPVC8Wi28TW		DC12V: 10W PoE: 13W

STEP 3 - INSTALLING THE CAMERA

- Attach the camera to the mounting surface using the included anchors and screws.
- To mount the camera using the mounting bolt and screws:
 - Secure the two long mounting screws to the camera's base.
 - Mount the camera to the mounting surface using the 2 mounting nuts.
 - Rotate the locking discs over the screws until the camera is held tightly from the mounting surface.
- Adjust the camera's lens position to the necessary angle. The camera's max tilting angle is 75°. The max rotation angle is 375°. The max panning angle is 345°.
- Assemble the dome cover over the camera body. Be sure to assemble the dome and bottom case to match the case outline. When the installation is completed, remove the protective film.



Resetting the camera: To reset the camera, press the reset. The system will initiate a camera-wide reset of all the settings, including network settings.

STEP 4 - CABLING

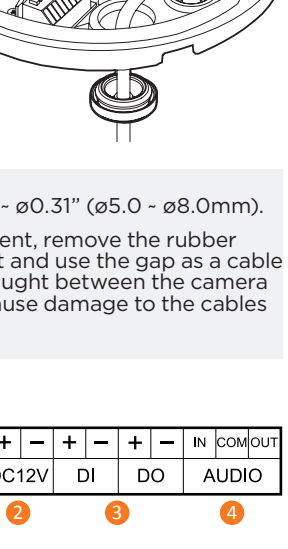
- Network cable** - To connect an RJ45 cable to the camera:

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.

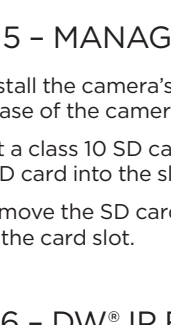
Option B:

 - 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.



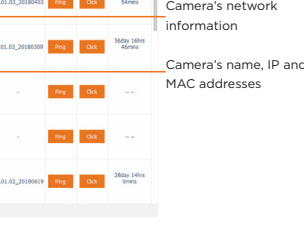
NOTE: Bending the cable may cause water leakage.

- Insert the grommet into the bottom the camera base.



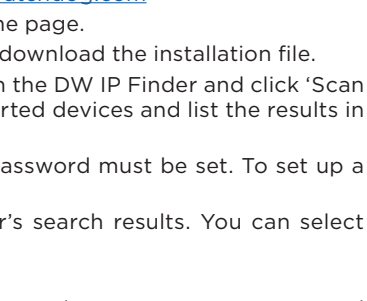
NOTE: Use the cable with a diameter of ø0.19" - ø0.31" (ø5.0 - ø8.0mm). Depending on the installation environment, remove the rubber plug on the side of the camera's bracket and use the gap as a cable guide to prevent cables from getting caught between the camera and the mounting surface, which can cause damage to the cables or prevent a proper mounting.

- 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.



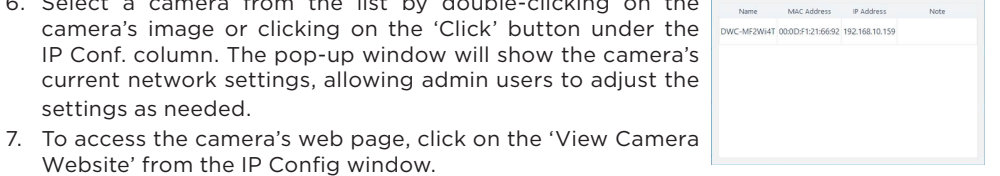
STEP 5 - MANAGING THE SD CARD

- To install the camera's SD Card, locate the SD card slot at the base of the camera.
- Insert a class 10 SD card into the SD card slot by pressing the SD card into the slot until it clicks into position.
- To remove the SD card, press the card inward to release from the card slot.

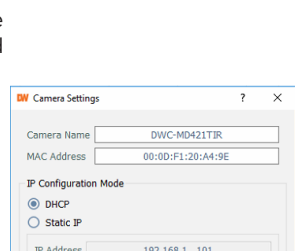


STEP 6 - DW® IP FINDER™

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
- 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 clicking 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.

Camera Settings

Camera Name: DWC-MK421TR

MAC Address: 00:0D:F1:20:4A:9E

IP Configuration Mode: ☒ DHCP ☐ Static IP

IP Address: 192.168.1.101

Netmask: 255.255.255.0

Gateway: 192.168.1.1

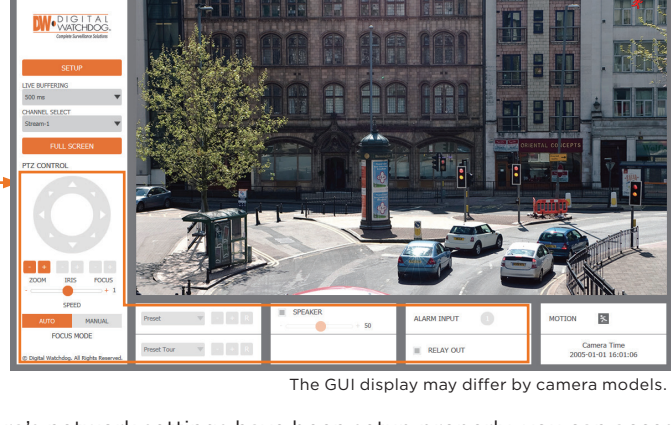
DNS: 192.168.40.1

Ports: Web Port: 80, Control Port: 0, Video Port: 0, Audio Transmit: 0, Audio Receive: 0

Username: admin, Password: *****

Buttons: Restore default camera configuration, View Camera Website, Apply, Reboot, Cancel

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.

