MEGApix CaaS
Camera as a System

DWC-MV84WiAC6 - 64GB storage
DWC-MV84WiAC1 - 128GB storage
DWC-MV84WiAC2 - 256GB storage

Default Login Information	
Username: **admin**	Password: **admin**

C UL US LISTED

WHAT'S IN THE BOX

Quick Setup Guide		1	Test Video Cable		1
Mounting Template for Bolt and Nuts Installation		1	Waterproof Cap and Rubber Rings (Black: ø0.15" (ø4mm), White: ø0.19" (ø5mm))		1 set
Mounting Template for Metal Plate Installation		1	Star Wrench (T-20)		1
Bolts and Nuts 2pcs		1 set	Screws and Plastic Anchors 3pcs		1 set
Metal Mounting plate		1	Moisture Absorber and Installation Guide		1 set

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

1. Go to: **http://www.digital-watchdog.com/resources**
2. 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.
3. 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 the initial setup. 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:
9:00AM – 8:00PM EST, Monday through Friday

STEP 1 – PREPARING TO MOUNT THE CAMERA

1. The mounting surface must withstand five times the camera weight.
2. 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.
3. 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.
4. 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, 590 mA min.
5. 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.
6. 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.
7. 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. Remove the protective film from the camera before the installation.
8. Install the moisture packet in the base of the camera's lens.
   a. Remove the moisture absorber from the packaging.
   b. Cut the card and folder along the dotted line.
   c. Place the moisture absorber behind the camera's lens module
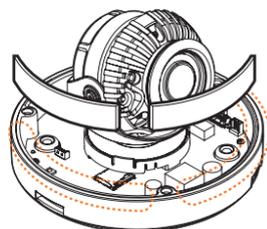
NOTE: The camera will generate enough heat to dry moisture during operation. In most cases it will not need the moisture absorber for more than the first day. In cases where the camera can experience a moisture issue, users must keep the moisture absorber in the camera. The moisture absorber has an approximately 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.

9. Using the mounting template sheet or the camera itself, mark and drill the necessary holes in the wall or ceiling.

STEP 2 – CABLING THE CAMERA

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

1. If you are using a PoE Switch, connect the camera using an Ethernet cable for both data and power.
2. 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 consumption
DC12V POE (IEEE 802.3af Class 3). Adapter not Included.	DC12V: Max 7.1W PoE: Max 9.2W
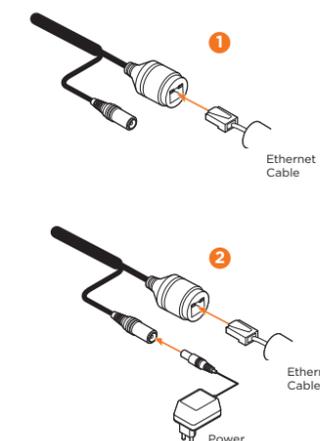
STEP 3 – INSTALLING THE CAMERA

1. Attach the main body to the mount bracket by tightening the lock screw.
2. For soft installation surfaces, use the included metal mount plate. Fix the mount plate on the mounting surface using the included screws. Then, press the bottom case onto the mount plate. The three bezels on the case will align and snap lock onto the plate.
3. The waterproof cap set comes with two rubber rings with different diameters. The black rubber ring has an internal diameter of ø0.15" (ø4mm). The white rubber ring has an internal diameter of ø0.19" (ø5mm). When using the waterproof cap, use the rubber ring best suited for your network cable's diameter.
   a. Pass the LAN cable through the waterproof cap, gasket and the **a** rubber ring.
   b. Connect the LAN cable to the camera's network port **b**.
   c. **c** will be affixed to **b** with a ¼ turn counter-clockwise.
   d. Thread and twist **d** tightly to **c**.
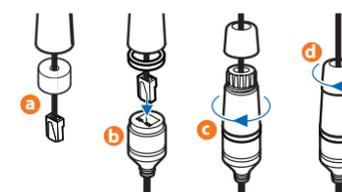
NOTE: To ensure moisture seal, make sure the o-ring is in place between **a** and **b**. In extreme environments use of an outdoor rated sealer is recommended.

NOTE: Cables with ø4.5mm to ø5.5mm thickness should use the black rubber ring. Cables over ø5.5mm in thickness should use the white rubber ring.

4. Use the camera's 3-Axis gimbal to adjust the camera's tilt and angle. The camera's maximum tilting angle is 75°.
5. Insert the moisture pack behind the dome according to the instructions. Assemble the dome cover over the camera body and detach the protecting film from the dome bubble to complete the installation.


Template Sheet

Ethernet Cable

Ethernet Cable

Power
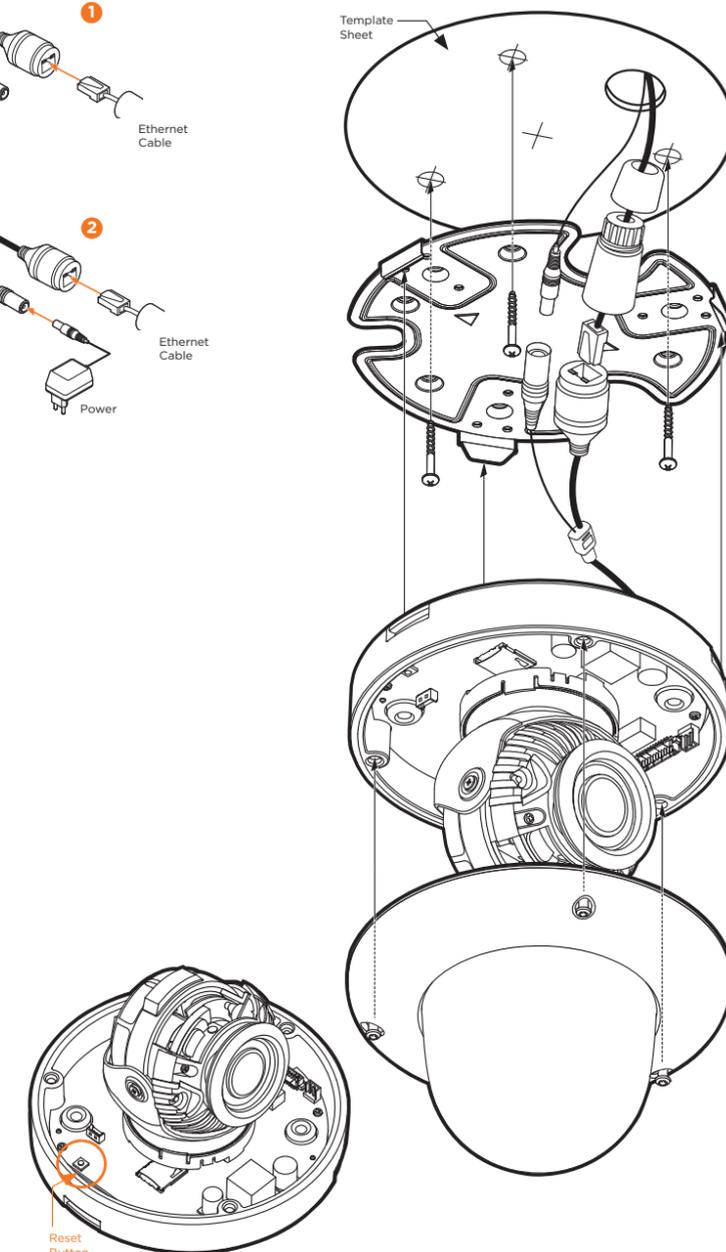
Reset Button

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

Resetting the camera: To reset the camera, use the tip of a paper clip or a pencil and press the reset button. Pressing the button for five (5) seconds will initiate a camera-wide reset of all the settings, including network settings.

STEP 3 – INSTALLING THE CAMERA (CONT.)

Installation using the mounting bolt and screws:

1. Using the template sheet, make and drill the cabling holes on the mounting surface.
2. Secure the two long mounting screws to the camera's base.
3. Pass the wires through the mount bracket and make all necessary connections.
4. Mount the camera to the mounting surface by using the 2 mounting nuts. Rotate the locking discs over the screws until the camera is held tightly from the mounting surface.
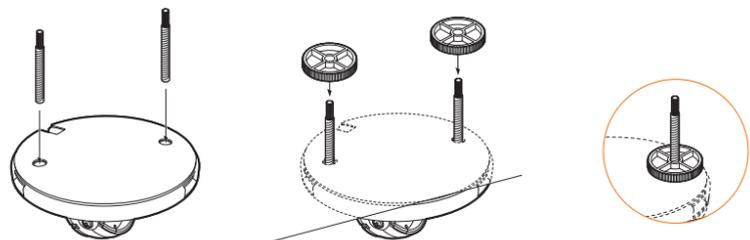
> **NOTE:** The camera's maximum tilting angle is 75°

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

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

1. To install the DW IP Finder, go to: http://www.digital-watchdog.com
2. Enter "DW IP Finder" on the search box at the top of the page.
3. Go to the "Software" tab on the DW IP Finder page to download the installation file.
4. 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.
5. When connecting to the camera for the first time, a password must be set. To set up a password for your camera:
   a. Check the box next to the camera in the IP Finder's search results. You can select multiple cameras.
   b. Click "Bulk Password Assign" on the left.
   c. 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.
   d. Click "change" to apply all changes.
6. 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.
7. To access the camera's web page, click on the 'View Camera Website' from the IP Config window.
8. To save changes made to the camera's setting, enter the username and password of the camera's admin account and click 'Apply'.
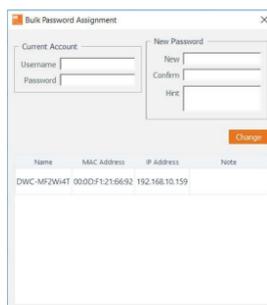
> ⓘ Select DHCP to allow the camera to receive its IP address automatically from the DHCP server.
> ⓘ Select "Static" to manually enter the camera's IP address, (Sub)Netmask, Gateway and DNS information.
> ⓘ The camera's IP must be set to static if connecting to Spectrum® IPVMS.
> Contact your network 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.
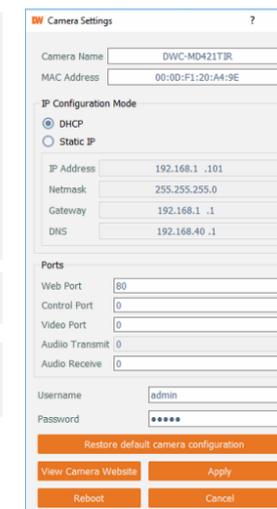
STEP 5 – WEB VIEWER
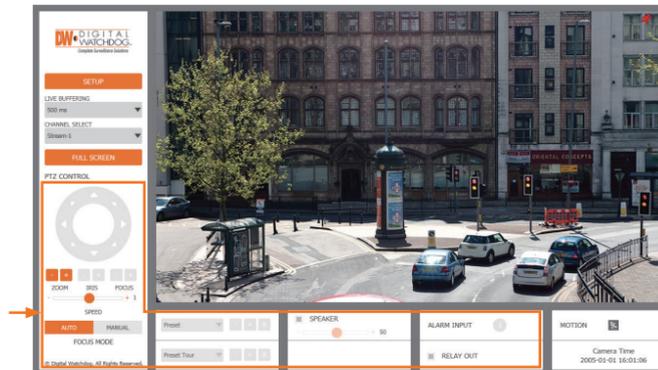
The GUI display may differ by camera models.

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:

1. Find the camera using the DW® IP Finder™.
2. Double-click on the camera's view in the results table.
3. Press the 'View Camera Website'. The camera's web viewer will open up in your default web browser.
4. Enter the camera's username and password (default are admin / admin).
5. If you are accessing the camera for the first time, install the VLC player for web files in order 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 settings options.

STEP 6 – SETUP DW SPECTRUM® CAAS™ FOR RECORDING

To complete the DW Spectrum® CaaS™ server's setup and start recording, see the DW Spectrum® CaaS™ QSG for additional information.

Rev Date: 03/22