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DIGITAL WATCHDOG DWC-MV7 Series 1080p Ultra Low Profile IP Camera User Guide

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DWC-MV7 Series 1080p Ultra Low Profile IP Camera

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Specifications

- 5MP models: DWC-MV75Wi28TW, DWC-MV75Wi4TW, DWC-MV75Wi6TW
- 2.1MP/1080p models: DWC-MV72Wi28ATW, DWC-MV72Wi4ATW,

DWC-MV72Wi28TW, DWC-MV72Wi4TW, DWC-MV72Wi6TW, DWC-MV72Di4TW,
DWC-MV72Di28TW

- Default Login Information: admin | admin

Product Usage Instructions

What's in the Box

- Quick Setup and Installation Guide
- 1 set Bolt and Nuts (2pcs)
- 1 set Mounting Templates
- 1 set Screws and Plastic Anchors (2pcs)
- 1 set Star Wrench (T-20)

Quick Setup

1. Download all support materials and tools from [here](#).
2. Find your product by entering the part number in the search bar and click 'Search' to access manuals and guides.

Safety and Warning Information

1. Ensure firm mounting on a wall or ceiling.
2. Use only the specified adapter to prevent fire or damage.
3. Check power supply voltage before use.
4. Avoid connecting multiple cameras to one adapter to prevent overheating.
5. Securely plug the power cord to prevent fire hazards.
6. Fasten the camera securely to prevent falling and injuries.
7. Avoid extreme temperature or humidity conditions for installation.
8. Avoid placing conductive objects or water-filled containers on

the camera.

9. Avoid installation near heat sources or direct sunlight to prevent fire hazards.
10. Stop using the product immediately if unusual smells or smoke are noticed; contact service center.
11. Do not disassemble or modify the product; contact service center for issues.
12. Avoid spraying water directly on the product when cleaning to prevent fire or shock.

FAQ

Q: What should I do if I encounter technical issues with the product?

A: If you experience technical problems, such as connectivity issues or malfunctioning features, please contact the nearest service center for assistance. Avoid attempting to repair the product yourself to prevent further damage.

“

[View Fullscreen](#)

Quick Start Guide

5MP models

DWC-MV75Wi28TW DWC-MV75Wi4TW DWC-MV75Wi6TW

2.1MP/1080p models

DWC-MV72Wi28ATW DWC-MV72Wi4ATW DWC-MV72Wi28TW DWC-MV72Wi4TW
DWC-MV72Wi6TW DWC-MV72Di4TW DWC-MV72Di28TW

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 do so using the DW® IP Finder™ software or from the camera's browser

menu.

WHAT'S IN THE BOX

Quick Setup and Installation Guide

1 set Bolt and Nuts 2pcs

1 set

Mounting Templates

Waterproof Cap and Rubber Rings (Black: ø0.15" (ø4mm), White: ø0.19" (ø5mm))

1

Screws and Plastic Anchors – 2pcs

1 set Star Wrench (T-20)

1 set 1

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 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 1. In the use of the product, you must be 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.

2. 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. 3. Make sure the power supply voltage is correct before using the camera. 4. Incorrectly connecting the power supply or replacing the battery may cause an explosion, fire, electric shock, or

damage to the product. 5. Do not connect multiple cameras to a single adapter.

Exceeding the capacity may cause excessive heat

generation or fire. 6. Securely plug the power cord into the power source. An insecure connection may cause a fire. 7. When installing the camera, fasten it securely and firmly.

A falling camera may cause personal injury. 8. Do not install in a location subject to elevated temperature, low temperature, or high humidity. Doing so may

cause fire or electric shock. 9. 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. 10. Do not install in humid, dusty, or sooty locations. Doing so may cause fire or

electric shock. 11. Do not install near any heat sources such as radiators, heat registers, or other products (including amplifiers)

that produce heat. 12. Keep out of direct sunlight and heat radiation sources. It may cause a fire. 13. 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. 14. If this product does not operate normally, contact the

nearest service center. Never disassemble or change this

product in any way. 15. When cleaning the product, do not spray water directly onto parts of the product. Doing so may cause fire or

electric shock. **CAUTION 1.** Use proper safety gear when installing and wiring the

product. 2. 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. 3. Do not use this product near water. 4. 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. 5. Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the image sensor. 6. The Main plug is used as a disconnect device and shall stay readily operable at any time. 7. Remove the power adapter from the outlet when then there is lightning. Neglecting to do so may cause fire or damage to the product. 8. Do not block any ventilation openings. Install following the manufacturer's instructions. 9. 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. 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product. 11. 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. 12. If you want to move the already installed product, be sure to turn off the power and then move or reinstall it. 13. Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user. 14. 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. 15. Do not touch the camera's lens or sensor module with fingers. 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. 16. Use only attachments/accessories specified by the manufacturer. 17. 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. 18. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product. 19. Unplug this product when a cart is used. Use caution when moving the cart/product combination to avoid injury from tip-over. 20. 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

1. 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.
2. 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, 0.31A (DWC-MPV72 and DWC-MV72 series) or 0.5A (DWCMPV75 and DWC-MV75 series) min.
3. 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.
4. 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.
5. For the installation process, use the wrench provided with the camera to remove the dome cover from the camera module by loosening the three (3) screws on the dome.
6. Using the mounting template sheet or the camera itself, mark and drill the necessary holes in the wall or ceiling.

STEP 2 POWERING THE CAMERA

Pass the wires through and make all necessary connections.

Use a PoE Injector (required. Sold separately) to connect data and power to the camera using a single Ethernet cable.

OR

Use non-PoE Switch to connect data using and Ethernet cable and use a power adapter to power the camera.

Models

DWC-M(P)V75Wi28TW DWC-M(P)V75Wi4TW DWC-M(P)V75Wi6TW DWC-M(P)V72Wi28ATW DWC-M(P)V72Wi4ATW DWC-M(P)V72Wi28TW DWC-M(P)V72Wi4TW DWC-M(P)V72Wi6TW DWC-MV72Di4TW DWC-MV72Di28TW

Power requirements

Power consumption

DC 12V, PoE IEEE 802.3af Class3. DC12V: max 6W

(Adapter not included)

PoE: max 7.2W

DC 12V, PoE IEEE 802.3af Class2. DC12V: max 3.7W

(Adapter not included)

PoE: max 5.5W

DC 12V, PoE IEEE 802.3af Class2. DC12V: max 3.7W

(Adapter not included)

PoE: max 5.4W

WATERPROOF CAP INSTALLATION

The waterproof cap set comes with two rubber rings. Use the rubber ring best suited for your network cable's diameter.

NOTE: Cables with $\varnothing 4.5\text{mm}$ to $\varnothing 5.5\text{mm}$ thickness should use the black rubber ring. Cables over $\varnothing 5.5\text{mm}$ in thickness should use the white rubber ring.

NOTE: To ensure moisture seal, make sure the o-ring d is in place between c and e . In extreme environments use of an outdoor rated sealer is recommended.

STEP 3 INSTALLING THE CAMERA

1. Once all cables are connected, secure the camera to the mounting surface or mounting accessory using the included screws.
2. To mount the camera using the mounting bolt and screws: a. Secure the two long mounting screws to the camera's base. b. Mount the camera to the mounting surface using the 2 mounting nuts. c. Rotate the locking discs over the screws until the camera

is held tightly from the mounting surface.

3. The camera is equipped with a manual IR activation button. You can choose to disable the camera's IR LEDs when the installation environment requires so.

LED on/off

Mounting Template

*Built-in Microphone

5

Protective Film NOTE: Cameras with a built-in microphone (DWC-M(P)V72Wi28ATW and DWC-M(P)

V72Wi4ATW) should be installed approximately 3~6ft (1~2 meters) from a person speaking in a normal tone (50~60 dB). 4. Adjust the camera's lens position by rotating the camera on its three-axis gimbal. Use a Philips head screwdriver to loosen the screw at the base of the camera slightly to allow the camera module to move. Using force to rotate the camera's module without loosening the screw may damage the camera.

Tighten the screw back after adjusting the camera module's pan and tilt.

5. When assembling the dome back on the camera, align the screw holes in the dome and the camera's base.

6. When the installation is complete, remove the inner protection film and dome's protective film. Softly wipe the dome/lens cover with lens tissue or a microfiber cloth with ethanol to remove any dust or smudges left from the installation process. NOTE: Be careful not to alter the monitoring direction of your camera.

STEP 4 MANAGING THE SD CARD

DWC-MPV75Wi series, DWC-MV75Wi series, DWC-MPV72Wi series, and DWC-MV72Wi series have an SD card slot at the base of the camera. 1. Locate the SD card slot in the back of the camera module. 2. Insert a class 10 SD card by pressing the SD card slot. 3. Press the card inward to release from the card slot.

Insert SD Card

Remove SD Card

NOTE: Maximum SD Card size supported: Up to 1TB micro SD / FAT32. When inserting the SD card into the card slot, the SD card's contacts should be facing upward, as

shown in the diagram.

Resetting the camera: Press the reset button for five (5) seconds to initiate a camera-wide reset, including network settings.

Reset button

STEP 5 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.

Camera name

Select network to scan Filter results Scan network

Show/hide thumbnail view Refresh thumbnail view Bulk IP assignment Bulk codec assignment

Bulk date/time assignment Bulk password assignment

Firmware upgrade

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 and install the installation file.
4. 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.
 - 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 eight (8) characters and at least four (4) combinations of uppercase and 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 name or clicking on the ‘Click’ button. The pop-up window will show the camera’s current network settings. Admin users can adjust the settings as needed. The camera’s network settings are set to DHCP by default.

7. To access the camera’s web page, click on the ‘Website’ button.

8. To save changes made to the camera’s settings, enter the username and password of the camera’s admin account and click ‘Apply’.

Select ‘DHCP’ for the camera to automatically receive its IP address 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.

To access the camera from an external network, port forwarding must be set in your network’s router.

STEP 6 WEB VIEWER

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*The GUI display may differ by camera models.

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’. 4. Enter the camera’s username and password you setup in the DW IP Finder.

If you did not setup a new username and password, a message will direct you to setup a new password for the camera to view the video.

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

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

NOTE: This products is covered by one or more claims of the HEVC Patents

listed at patentlist.accessadvance.com.

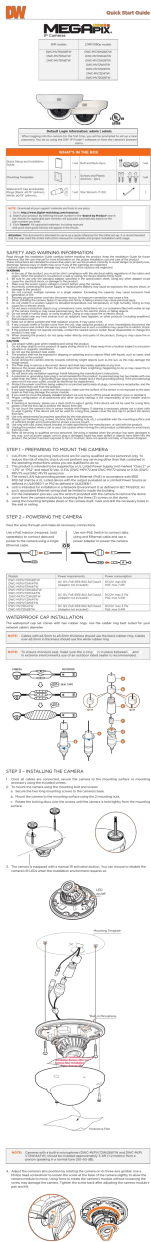
Tel: +1 [866-446-3595](tel:866-446-3595) / [813-888-9555](tel:813-888-9555) Technical Support Hours: 9:00AM 8:00PM EST,
Monday through Friday

digital-watchdog.com

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Documents / Resources



The image shows the first page of a 'Quick Start Guide' for the Digital Watchdog MEGAPIX camera. The page includes the DW logo, a list of camera models, a table of contents, and detailed instructions for installation and wiring. The instructions are organized into steps: STEP 1 - PREPARING TO INSTALL THE CAMERA, STEP 2 - POWERING THE CAMERA, and STEP 3 - INSTALLING THE CAMERA. Each step includes numbered sub-steps and diagrams illustrating the correct installation techniques.

[DIGITAL WATCHDOG DWC-MV7 Series 1080p Ultra Low Profile IP Camera \[pdf\] User Guide](#)

DWC-MV75Wi28TW, DWC-MV75Wi4TW, DWC-MV75Wi6TW, DWC-MV72Wi28ATW, DWC-MV72Wi4ATW, DWC-MV72Wi28TW, DWC-MV72Wi4TW, DWC-MV72Wi6TW, DWC-MV72Di4TW, DWC-MV72Di28TW, DWC-MV7 Series 1080p Ultra Low Profile IP Camera, DWC-MV7 Series, 1080p



Ultra Low Profile IP Camera, Low Profile IP Camera, Profile IP Camera, I P Camera

NOTE: Be sure to read the following instructions carefully before attempting to install the camera.



STEP 4 - MANAGING THE SD CARD

NOTE: The camera has a built-in SD card slot. The SD card is used to store video footage. The camera supports SD cards up to 32GB. The camera will not work with SD cards that are not formatted as FAT32.

1. Insert the SD card into the SD card slot.
2. Format the SD card using the camera's menu.
3. Save the SD card settings.



NOTE: The camera has a built-in SD card slot. The SD card is used to store video footage. The camera supports SD cards up to 32GB. The camera will not work with SD cards that are not formatted as FAT32.

STEP 5 - ONVIF PROFILE

NOTE: The camera is ONVIF compliant. The ONVIF profile is used to connect the camera to a video management system (VMS).

1. Select the ONVIF profile in the camera's menu.
2. Save the ONVIF profile settings.

NOTE: The camera has a built-in SD card slot. The SD card is used to store video footage. The camera supports SD cards up to 32GB. The camera will not work with SD cards that are not formatted as FAT32.

1. Insert the SD card into the SD card slot.
2. Format the SD card using the camera's menu.
3. Save the SD card settings.



STEP 6 - WEB VIEWER

NOTE: The camera has a built-in web viewer. The web viewer is used to view the camera's live video feed.

1. Select the web viewer in the camera's menu.
2. Save the web viewer settings.

NOTE: The camera has a built-in SD card slot. The SD card is used to store video footage. The camera supports SD cards up to 32GB. The camera will not work with SD cards that are not formatted as FAT32.

1. Insert the SD card into the SD card slot.
2. Format the SD card using the camera's menu.
3. Save the SD card settings.

References

- [User Manual](#)

DIGITAL WATCHDOG

1080p Ultra Low Profile IP Camera, DIGITAL WATCHDOG, DWC-MV7 Series, DWC-MV7 Series 1080p Ultra Low Profile IP Camera, DWC-MV72Di28TW, DWC-MV72Di4TW, DWC-MV72Wi28ATW, DWC-MV72Wi28TW, DWC-MV72Wi4ATW, DWC-MV72Wi4TW, DWC-MV72Wi6TW, DWC-MV75Wi28TW, DWC-MV75Wi4TW, DWC-MV75Wi6TW, IP Camera, Low Profile IP Camera, Profile IP Camera

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