



DIGITAL WATCHDOG DWC-MF5Wi8TW Megapixel IP Camera User Guide

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MEGApix® IVA+™ models	5MP models	2.1MP/1080p models
DWC-MPF5Wi4TW	DWC-MF5Wi4TW	DWC-MF2Wi4T
DWC-MPF5Wi6TW	DWC-MF5Wi6TW	DWC-MF2Wi4TW
DWC-MPF5Wi8TW	DWC-MF5Wi8TW	DWC-MF2Wi28TW
DWC-MPF2Wi4TW		
DWC-MPF2Wi28TW		

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.

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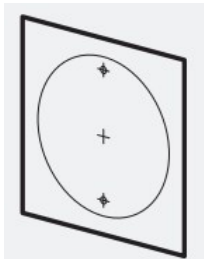
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- 2 PREPARING TO MOUNT THE CAMERA
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WHAT'S IN THE BOX

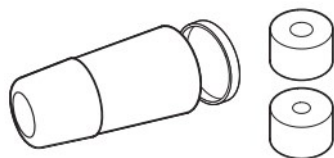
Quick Setup and Installation Guide



1 set
Mounting Templates



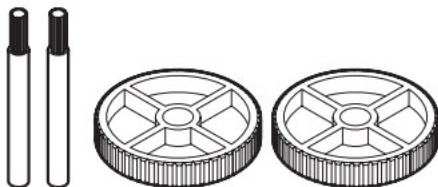
1
Waterproof Cap and Rubber Rings (Black: $\varnothing 0.15''$ ($\varnothing 4\text{mm}$), White: $\varnothing 0.19''$ ($\varnothing 5\text{mm}$))



1 set
Moisture absorber and installation guide (recommended)

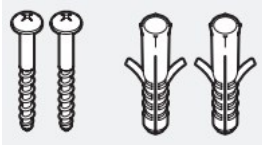


1 set
Bolt and Nuts 2pcs



1 set

Screws and Plastic Anchors – 2pcs



1 set

Star Wrench (T-20)



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.

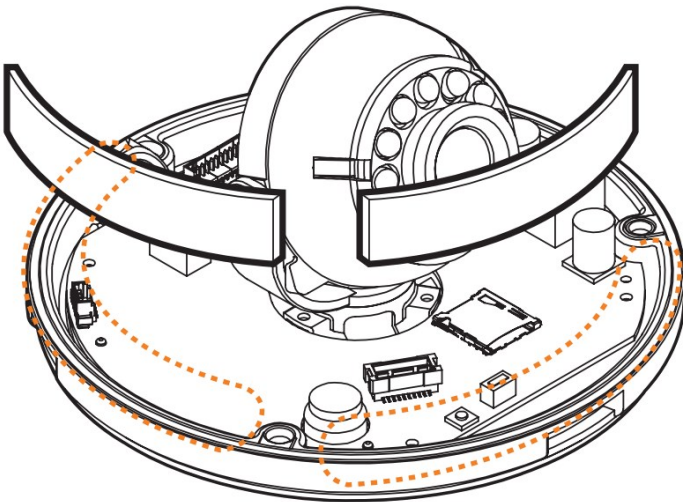
PREPARING TO MOUNT THE CAMERA

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. **CAUTION:** There is a risk of explosion if the battery is replaced incorrectly and it should be replaced only with

the same battery.

ATTENTION: Il y a risque d'explosion si la batterie est remplacée par une batterie de type incorrect. Mettre au rebut les batteries usages conformément aux instructions.

5. Used batteries must be disposed of according to local regulations or the battery manufacturer's instructions. Disposing of batteries in a fire or in a hot oven, or mechanically crushing and cutting them may cause an explosion.
6. Leaving the battery in very high temperature or low air pressure environments may result in an explosion or leak of flammable liquids or gases.
7. 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, 0.49A (DWC-MPF5Wi and DWC-MF5Wi series) and 0.33A (DWC-MF2Wi and DWC-MPF2Wi series) min.
8. 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.
9. 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.
10. 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.
11. Install the moisture packet in the base of the camera's lens.
 - Remove the moisture absorber from the packaging.
 - Cut the card and folder along the dotted line.
 - Place the moisture absorber around the camera's lens module.



12. Remove the protective film between the dome and the camera 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.

13. Remove the Poron Ring before placing the dome back on the camera.

When attaching the dome back, align the line on the dome with the one on base of the camera.

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

POWERING THE CAMERA

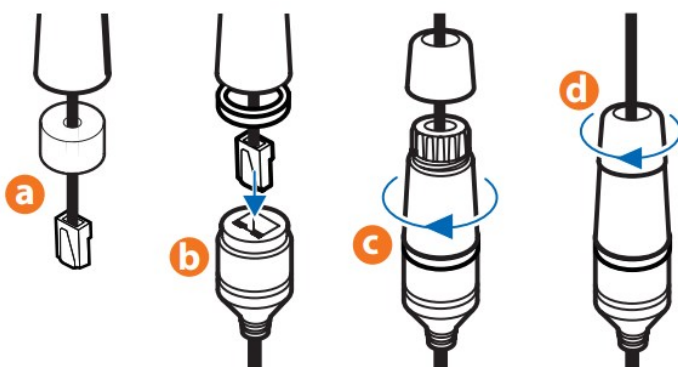
Pass the wires through and make all the necessary connections.

- 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.

Models	Power requirements	Power consumption
DWC-MPF5Wi4TW DWC-MPF5Wi6TW DWC-MPF5Wi8TW DWC-MF5Wi4TW DWC-MF5Wi6TW DWC-MF5Wi8TW	DC 12V, PoE IEEE 802.3af Class 3.(Adapter not included)	DC12V: max 5.9W PoE: max 7.2W
DWC-MPF2Wi4TW DWC-MPF2Wi8TW DWC-MF2Wi4TW DWC-MF2Wi8TW DWC-MF2Wi28TW	DC 12V, PoE IEEE 802.3af Class 2.(Adapter not included)	DC12V: max 4W PoE: max 5.5W

INSTALLING THE CAMERA

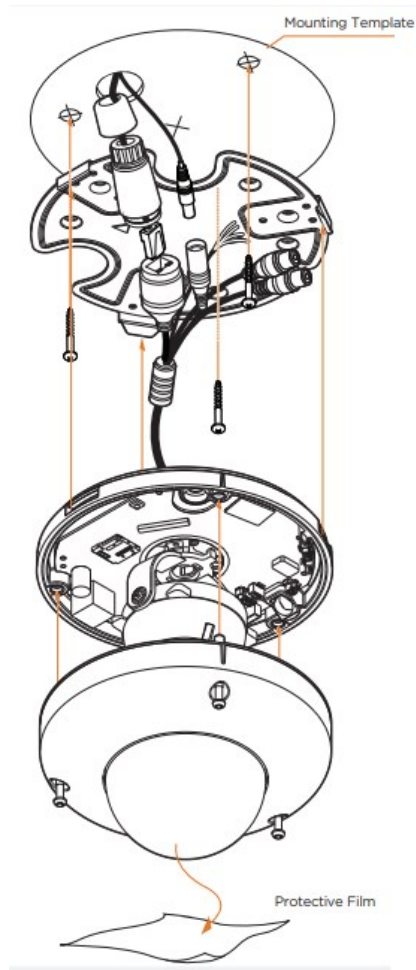
- Attach the main body to the mounting bracket or mounting surface by tightening the lock screw.
- For soft installation surfaces, use the included metal mount plate. Fix the mount plate on the mounting surface using the included screws. Then, press the bottom case onto the mount plate. The three bezels on the case will align and snap lock onto the plate.
- The waterproof cap set comes with two rubber rings with different diameters. The black rubber ring has an internal diameter of $\varnothing 0.15''$ ($\varnothing 4\text{mm}$). The white rubber ring has an internal diameter of $\varnothing 0.19''$ ($\varnothing 5\text{mm}$). When using the waterproof cap, use the rubber ring best suited for your network cable's diameter.
 - Pass the LAN cable through the waterproof cap, gasket and the **a** rubber ring.
 - Connect the LAN cable to the camera's network port **b**.
 - c** will be affixed to **b** with a $\frac{1}{4}$ turn counter-clockwise.
 - Thread and twist **d** tightly to **c**.



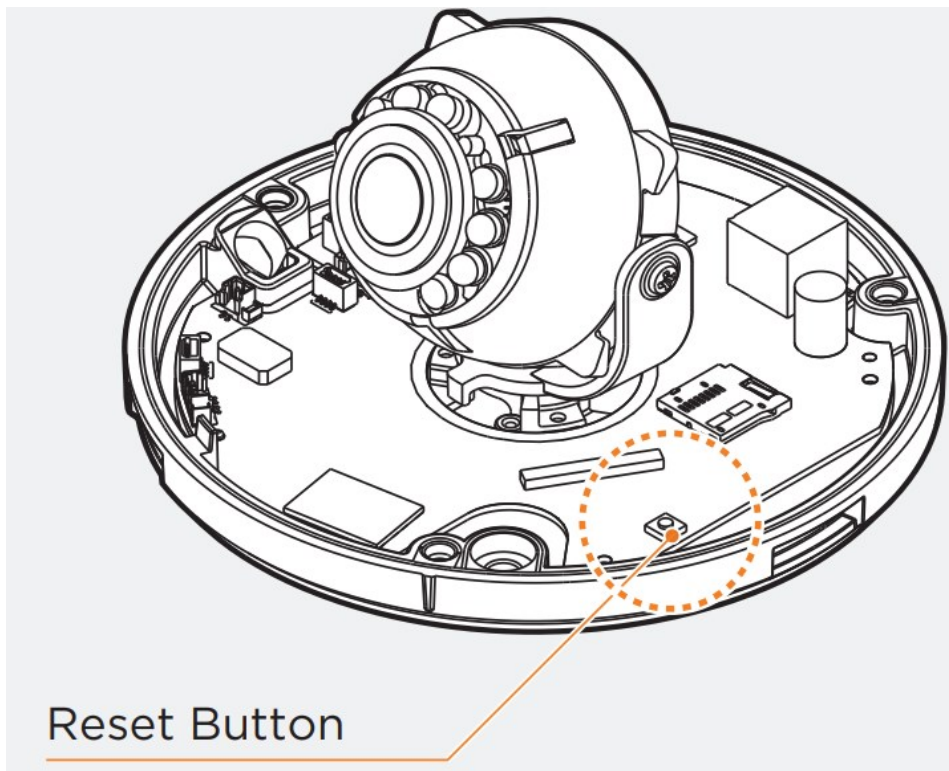
NOTE: To ensure moisture seal, make sure the o-ring is in place between a and b. In extreme environments use of an outdoor rated sealer is recommended.

NOTE: Cables with $\varnothing 4.5\text{mm}$ 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.

4. Once the installation is complete, adjust the camera's tilt, panning and rotation as needed. The cameras' max angles are: Pan: $0^\circ \sim 360^\circ$, Tilt: $0^\circ \sim 70^\circ$, Rotation: $0^\circ \sim 360^\circ$
5. Assemble the dome cover over the camera body and detach the protecting film from the dome bubble.

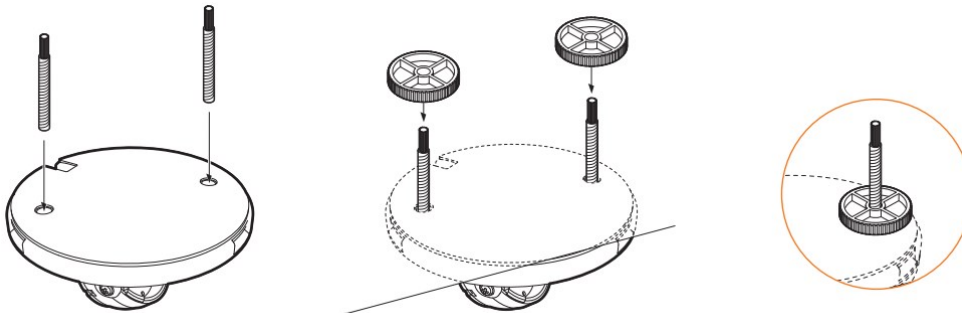


Resetting the camera: To reset the camera, use the tip of a paper clip or a pencil and press the reset button. Pressing the button for five (5) seconds will initiate a camera-wide reset of all the settings, including network settings.

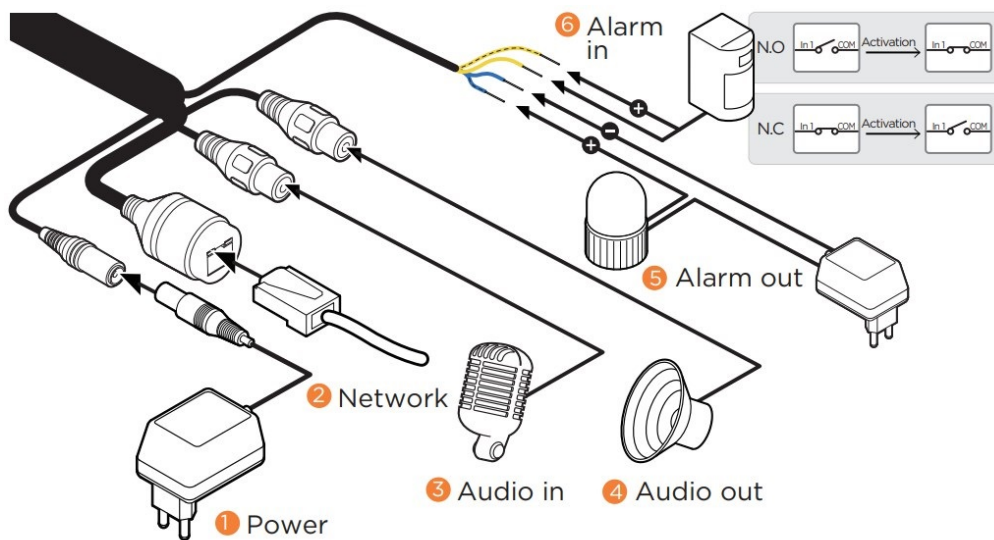


Installation using Mount Bolt and Screws:

1. Using the mounting template, mark and drill the 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.



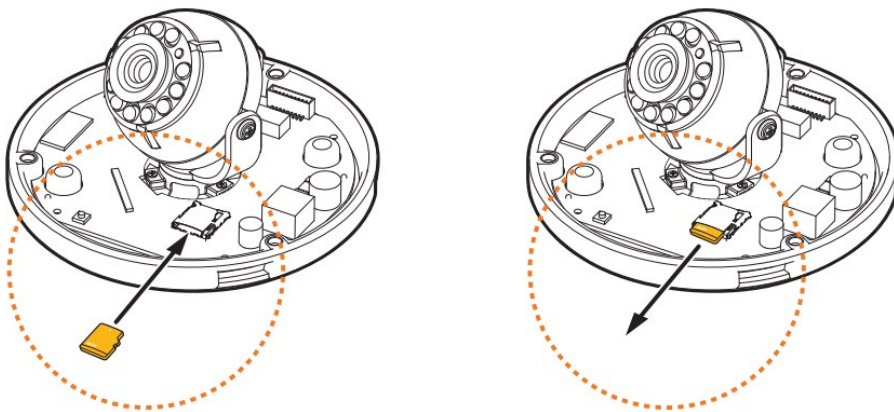
CABLING (DWC-MPF5Wi and DWC-MF5Wi series)



DI (+): WHITE
 DI (–): YELLOW
 DO (–): SKY BLUE
 DO (+): GRAY + DOT

MANAGING THE SD CARD

1. To install the camera's SD Card, locate the SD card slot in the back of the camera module.
 Insert a class 10 SD card into the SD card slot by pressing the SD card slot.
2. To remove the SD Card, press the card inward to release from the card slot.



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

Thumbnail

Name

IP Address

Model

MAC Address

Netmask

Gateway

Port

DHCP

Version

Ping Test

IP Conf.

Uptime

Firmware version

Camera's uptime

Open IP configuration settings

Ping camera

Camera's network information

Camera's name, IP and MAC addresses

Name	IP Address	Model	MAC Address	Netmask	Gateway	Port	DHCP	Version	Ping Test	IP Conf.	Uptime
DWC-MPT230X	192.168.150.3	DWC-MPT230X	00:07:08:19:10:1A	255.255.255.0	192.168.150.1	80	Disabled	1.9.94-X2_release	Ping	OK	28day 14hrs 11mins
DWC-MV440WA	192.168.150.4	DWC-MV440WA	00:0D:F1:21:53:8F	255.255.255.0	192.168.150.1	80	Disabled	A2.01.02_20180619	Ping	OK	39day 15hrs 54mins
DWC-P221M89T	192.168.150.4	DWC-P221M89T	00:0D:F1:21:29:21	255.255.255.0	192.168.150.1	80	Disabled	A5.01.03_20180403	Ping	OK	56day 16hrs 46mins
DWC-PVX160H4	192.168.150.4	DWC-PVX160H4	00:0D:F1:21:5C:A0	255.255.255.0	192.168.150.1	80	Disabled	A2.01.03_20180309	Ping	OK	28day 14hrs 0mins
DWC-PFSH1TR	192.168.150.61	DWC-PFSH1TR	00:0A:61:1A:00:14	255.255.255.0	192.168.150.1	80	Disabled	-	Ping	OK	...
DWC-PVPM2TR	192.168.150.62	DWC-PVPM2TR	00:0A:61:1A:26:E7	255.255.255.0	192.168.150.1	80	Disabled	-	Ping	OK	...
DWC-MF40H4	192.168.150.63	DWC-MF40H4	00:0D:F1:20:FB:60	255.255.255.0	192.168.150.1	80	Disabled	A2.01.02_20180619	Ping	OK	28day 14hrs 0mins

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.

Bulk Password Assignment

Current Account

Username

Password

New Password

New

Confirm

Hint

Change

Name	MAC Address	IP Address	Note
DWC-MF2Wi4T	00:0D:F1:21:66:92	192.168.10.159	

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.

DW Camera Settings

Camera Name: DWC-MD421TIR

MAC Address: 00:0D:F1:20:A4:9E

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

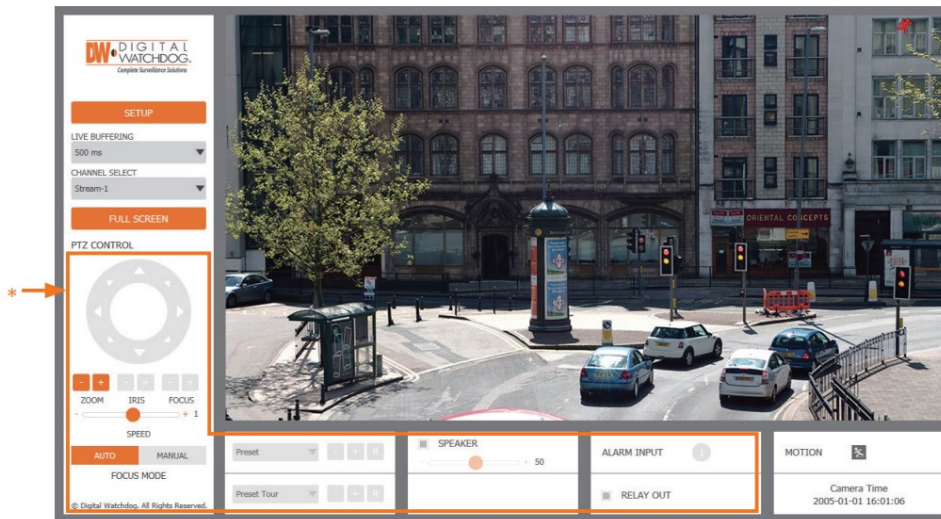
Password: •••••

Restore default camera configuration

View Camera Website Apply

Reboot Cancel

WEB VIEWER



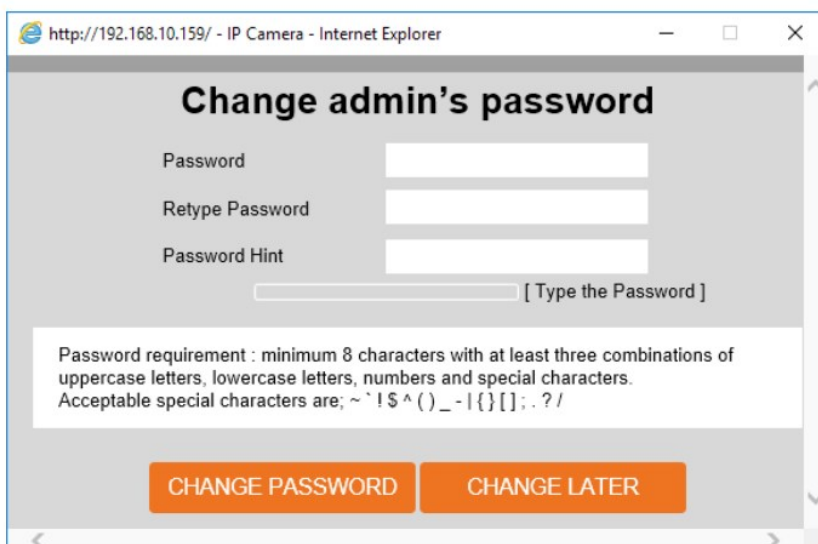
The GUI display may differ by camera models.

NOTE: Chrome browser is recommended for IVA configuration.

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 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 video from the camera. A message will direct you to setup a new password for the camera to view video.




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

NOTE: 32bit version of the VLC player must be installed. If you are using a 64bit system, uninstall the previous 64bit version and reinstall using the 32bit version.

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

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

Documents / Resources

	DIGITAL WATCHDOG DWC-MF5Wi8TW Megapixel IP Camera [pdf] User Guide DWC-MF5Wi8TW Megapixel IP Camera, DWC-MF5Wi8TW, Megapixel IP Camera, IP Camera, Camera
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References

- [DW Digital Watchdog I Welcome](#)
- [DW Digital Watchdog I Welcome](#)
- [DW Resources](#)

Manuals+.