MEGAPIX IP Cameras

MEGApix® IVA™ models	MEGApix® IVA™ models
DWC-MPB48WIAVTW	DWC-MB48WIAVTW

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

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

1. Go to **http://digital-watchdog.com/dwip/**
2. Search your product by entering the part number in the **'Search by Product'** search bar. Download the most current hardware and firmware and upgrade manually based on the part number you entered.
3. Click **'Search'**. All supported materials, including manuals and quick start guides (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.

Improper installation may cause injuries and damage to the product. Improper use may lead to fire, electrical shock, thermal damage or property loss. Dangerous Serious injury or death may occur if any of the warnings are neglected.

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Installation of the product, you must be strict compliance with the electrical safety regulations of the nation and region. Plug the product's 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.
- Do not touch 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 place conductive objects (e.g. screwdrivers, coins, metal items, etc.) or containers filled with water or cup of the product. 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.
- If any unusual smell, sound, or smoke should arise, immediately stop using the product (including amplifiers) that power to the mod.
- Keep out of direct sunlight and heat radiation sources. It may cause a fire.
- If the product does not operate normally, contact the nearest service center. Never disassemble or change this product in any way.
- 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 a proper safety gear when installing and wiring the product.
- Do not drop, shock, or shake the product. It may cause product failure.
- Do not place the product in locations susceptible to chemical substances, or locations with high humidity or dust. Doing so may cause product failure.
- 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.
- Do not place conductive objects (e.g. screwdrivers, coins, metal items, etc.) or containers filled with water or cup of the product. Doing so may cause personal injury due to fire, electric shock, or falling objects.
- The Main plug is used as a disconnect device and shall stay readily operable at any time.
- Clean the product with a towel regularly. Be careful that the surface may be scratched if you do so may cause fire or damage to the product.
- Do not place the product in extreme temperatures (refer to the specifications).
- 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 to replace the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
- Only use attachments/accessories specified by the manufacturer.
- Except in the case when the power supply or cable is damaged, be sure to turn off the power and then move or reinstall it.
- Proper configuration of all passwords and other security settings to the product is the responsibility of the installer and/or end-user.
- If the product is necessary, please use a clean cloth to wipe it gently. If the product will not be used for a long time, please cover the lens cap to protect the lens from dust.
- If the product will not be used for a long time, please remove the batteries from the product. If battery leakage is present, 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 dust.
- 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 installation 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 installation 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 for 12VDC, 1.5A max or PoE (802.3 at) 0.37A max.
3. The wired LAN hub providing Power over the Ethernet (PoE) in accordance with IEEE 802.3at must 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. The unit is intended for use in a Pollution Environment 0 as defined in IEC TR 62102. As such, associated Ethernet wiring should be limited to inside the building.
5. For the installation process, remove the sun-shield cover as needed.
6. Install the mounted bracket on the camera's external control panel.
   a. Remove the Desi-Pack moisture absorber from the packaging.
   b. Open the side cover to reach the external camera's control panel.
   c. Place the moisture absorber under the camera's SD card slot.

NOTE: The camera will generate enough heat to dry moisture during operation. In cases where the unit experiences extreme temperature lows, keep the moisture absorber in the camera. The moisture absorber has an approximately 6-month life cycle.

WARNING: Install the moisture absorber when mounting the camera. The moisture absorber prevents moisture buildup inside the camera's housing, which may cause image distortion and/or permanent damage the camera.

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

Resetting the camera: Press the reset button on the external control panel for five (5) second to initiate a camera-wide reset of all the settings including network settings.

STEP 2 – POWERING THE CAMERA

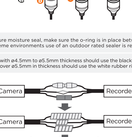
Pass the wires through and make all necessary connections.

1. When using a PoE Switch or PoE Injector, connect the camera using an Ethernet cable for both data and power.
2. When 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.

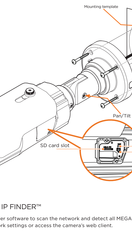
Power requirements	Power consumption
DC12V, IEEE 802.3at PoE+ class 4 (Adapter not included)	DC12V: 10.2W PoE: 11.6W

NOTE: A PoE injector is required for this camera, sold separately.

3. The waterproof cap set comes with two rubber rings. Use the rubber ring best suited for your network cable's diameter.
   a. Pass the LAN cable through the waterproof cap, gasket and the ⓐ rubber ring.
   b. Connect the LAN cable to the camera's network port Ⓓ.
   c. ⓐ will attic to Ⓓ with a ¼ turn counter-clockwise.
   d. Thread and twist Ⓐ tightly to Ⓑ.



NOTE: Based 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 and prevent the camera from mounting flush with the mounting surface.



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.

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.

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1. To install the DW IP Finder, go to: http://www.digital-watchdog.com
2. Click "Search Device" 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 and follow the installation instructions.
4. Open the DW IP Finder and click 'Scan Devices' to scan the selected network for all supported device. Results are in the table. During the scan, the DW® logo will turn gray.
5. Select the desired IP 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 DW IP Finder's search results. You can select multiple cameras.
   b. Click "Bulk Password Assignment" 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 page 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'.

1. Default TCP/IP information: DHCP.
2. Port forwarding must be set in your network's router to access the camera from an external network.
3. Select DHCP to allow the camera to receive its IP address automatically from the DHCP server.
4. Select "Static" to manually enter the camera's IP address, Subnetmask, Gateway and DNS Server.
5. The camera's IP must be set to static if connecting to Spectrum® IPVM. Contact your network administrator for more information.

The GUI display may differ by camera models.

STEP 7 – WEB VIEWER

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.

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