MEGAPIX CAAS

License Plate Recognition Camera as a System

DWC-MB44LPRC6 - 64GB storage
DWC-MB44LPRC1 - 128GB storage
DWC-MB44LPRC2 - 256GB storage

Default login information	
Username: **admin**	Password: **admin**

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WHAT'S IN THE BOX

Quick setup guide		1	Screws and plastic anchors – 4pcs		1 set
Mounting template		1	Hex Allen wrench		1
Test video cable		1	DC plug cable		1
Waterproof cap		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 bear five times the weight of your camera.
2. Do not let the cables get caught in improper places or the electric line cover to be damaged. This may cause a breakdown 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, 920 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. 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 TO EXTERNAL DEVICES

Pass the wires through and make all necessary connections.

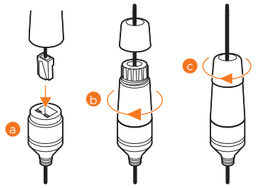
1. NETWORK CONNECTIONS – Using a PoE Switch or PoE Injector, connect the camera using an Ethernet cable for both data and power.
2. NETWORK CONNECTIONS – Not using PoE Switch or PoE Injector, connect the camera to the switch using an Ethernet cable for data transmission and use a power adapter to power the camera.

Power requirements	Power consumption
DC12V, PoE (IEEE 802.3af class 3) (Adapter not Included)	DC12V Max 11W PoE Max 12.9W

STEP 3 – INSTALLING THE CAMERA

1. Once all cables are connected, secure the camera to the mounting surface using the included screws.
2. Loosen the pan and tilt screws at the base of the camera's bracket to adjust the camera's view and position.
3. To use the camera's water proof wiring:
   a. Install the LAN cable into ⓐ.
   b. ⓑ will be assembled to ⓐ with a 1/4 turn.
   c. Thread ⓒ tightly to ⓑ.

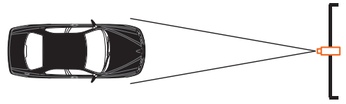
NOTE: To ensure moisture seal, make sure the o-ring is in place between ⓐ and ⓑ. In extreme environments use of an outdoor rated sealer is recommended.



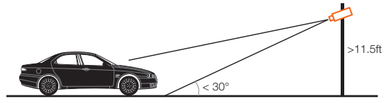
NOTE: When using the waterproof cap, crimp the RJ45 connector after passing the cable through the waterproof cap.

STEP 3 – INSTALLING AN LPR CAMERA

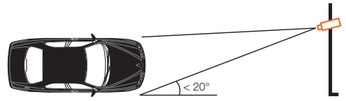
THE CAPTURED IMAGE SHOULD BE FILLED WITH THE FULL WIDTH OF THE VEHICLES

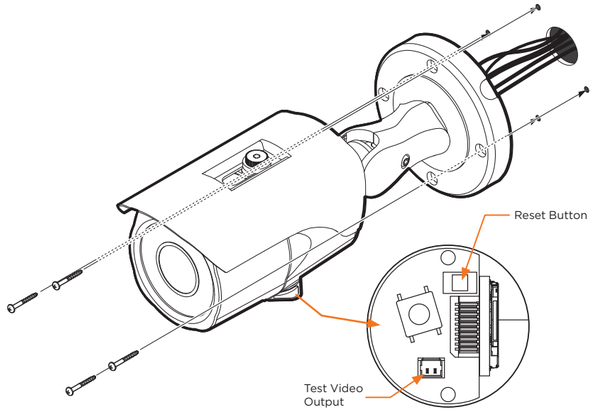


THE CAMERA SHOULD BE MOUNTED AT AN ANGLE NO GREATER THAN 30 DEGREES



CAMERA ANGLE NO GREATER THAN 20 DEGREES FOR SIDE MOUNT INSTALLATIONS

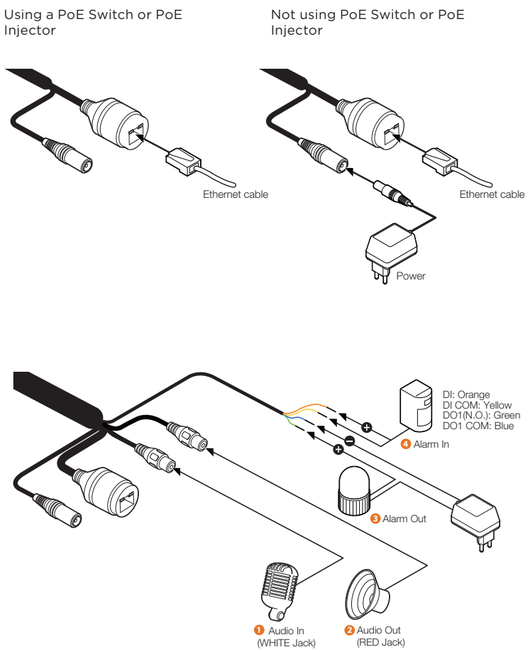




Resetting the camera: To reset the camera, use the tip of a paper clip or a pencil and press the reset button. Pressing the button for five (5) seconds will initiate a camera-wide reset of all the settings, including network settings.

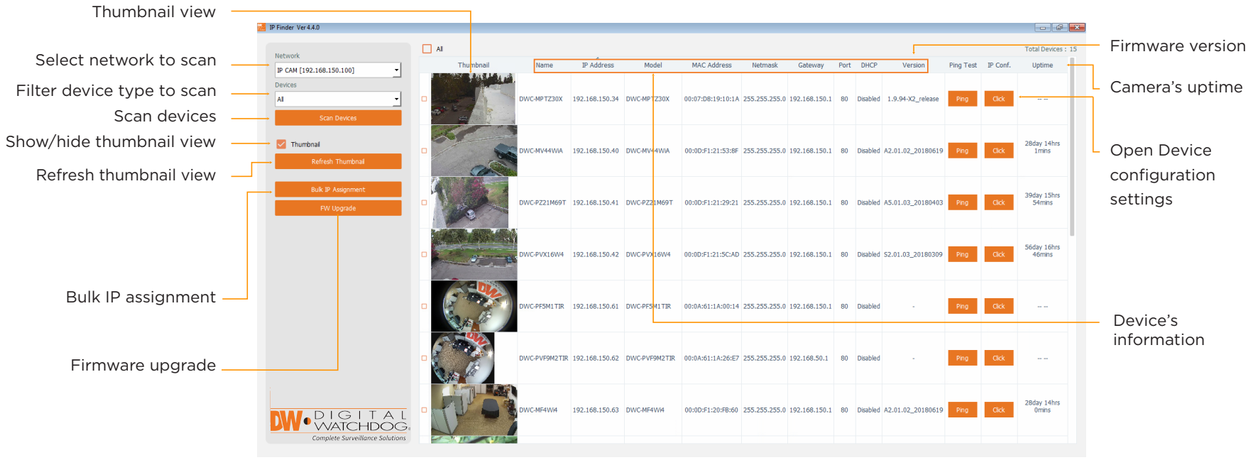
STEP 4 – CABLING

Use the diagram below to properly connect power, network, audio, alarm and sensors to the camera.



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.



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 and press Enter.
3. Click on the DW® IP Finder™ from the search result and go to Software tab. Click on download icon to download the DW® IP Finder™ installation file.
4. Run the installation file and follow the wizard 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.

ⓘ Select DHCP if the internet service is dynamic IP. This will allow the camera to 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 DW Spectrum® IPVMS.

ⓘ Contact your network administrator for more information.

ⓘ Default TCP/IP information: DHCP

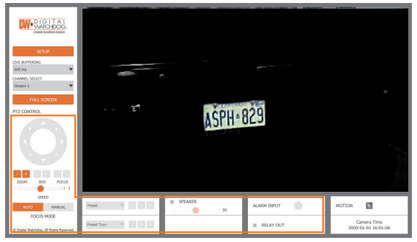
5. Select a camera from the list by double-clicking on the camera's image or clicking on the 'Click' button under the IP Conf. column. The pop-up window will show the camera's current network settings, allowing admin users to adjust the settings as needed.
6. To access the camera's webpage, click on 'View Camera Website'.
7. To save the changes made to the camera's setting, input username and password of the camera and click Apply. Click "Scan Devices" from the main screen again to display the updated information.

ⓘ 'Port forwarding' has to be set in your network's router for external access to the camera.

ⓘ Default ID / PW: admin / admin

*NOTE: For security purposes, it is highly recommended to change your password after initial setup.

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:

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 camera settings options.

STEP 7 – SETUP DW SPECTRUM® CAAS™ RECORDING

Once the CaaS™ camera is properly installed and operating, write down the IP address. You will need this information when accessing the DW Spectrum® CaaS™ server from the DW Spectrum® IPVMS client.

To complete the DW Spectrum® CaaS™ server's setup and start recording, launch the DW Spectrum® IPVMS client on the same network as the cameras. Once the DW Spectrum® CaaS™ server is detected by the client, go to the recording setup menu to setup a recording schedule and start monitoring the DW Spectrum® CaaS™ server.

See the DW Spectrum® CaaS™ QSG for additional information.

NOTE: MEGApix® CaaS™ cameras are running DW Spectrum® IPVMS v4.0 server.

NOTE: Default server port: 7001
Default server username and password: admin | admin1234

Rev Date: 01/20