

MEGAPIX DWC-MPTZ5X

IP 2.1MP Pan Tilt Zoom Dome Camera

Quick Setup Guide



PREPARATION

The following items are included with your MEGApix Camera

<p>Quick Start Guide</p>	<p>2 Mounting Nuts & 2 Mounting Screws Metal Mount Plate</p>	<p>CD (Manual & Software)</p>	<p>Mounting Template for Camera and Metal Mount Plate</p>
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Low Profile Vandal Dome IR Camera
- 12VDC Power
- RJ45 Network

Thank you for purchasing Digital Watchdog's MEGApix Flat Vandal Dome Camera. Before installing the camera, please verify your model and read this guide carefully.

INSTALLATION

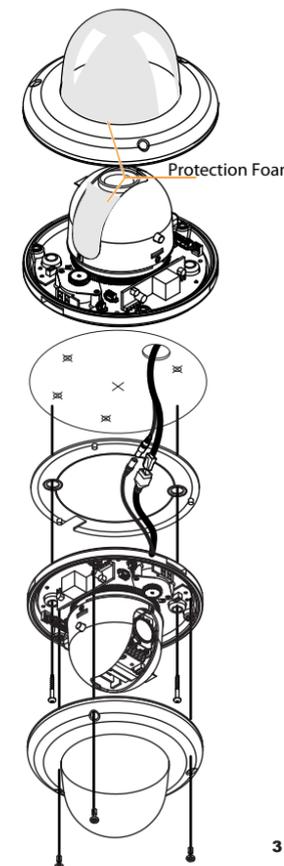
Easy Camera Installation

1. Detach the camera's bottom gasket.
 2. Remove the Protection foam from the camera's dome and lens.
 3. Reattach the camera base to the bottom gasket.
 4. Use the camera's housing or mounting template to mark and drill the necessary holes in the wall or ceiling.
 5. Pull wires through and make the connections.
4. Using the three (3) included screws, mount and secure the camera to the wall or ceiling.

Metal Mount Camera Installation

Use when mounting the camera using the wall mount or ceiling mount accessories.

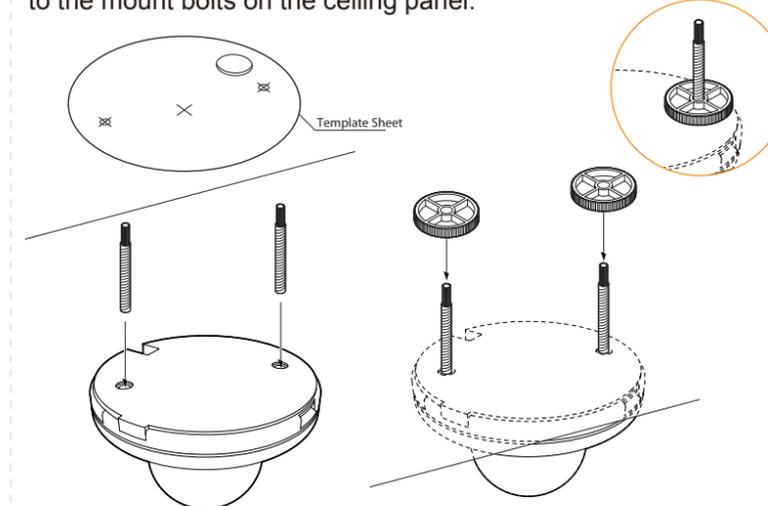
1. Using the metal mount plate, mark and drill the necessary holes in the wall or ceiling.
2. Pull wires through and make the connections.
3. Using the two (2) included screws, mount and secure the camera to the wall or ceiling.
4. Attach the camera base to the metal mount by snapping it into place using the two metal handles.
5. Secure the camera's cover dome to the camera base to complete the installation.



INSTALLATION

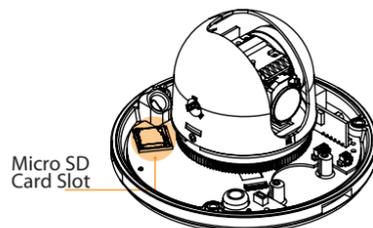
Soft Ceiling Mount Installation

1. Using the camera's template, mark and drill the necessary holes in the wall or ceiling.
2. Secure the two (2) mount bolts into the camera's bottom.
3. Pull wires through and make all necessary connections.
4. Insert the mount bolts into the template holes.
5. Fix the camera to the mounting surface by tightening the mount nuts to the mount bolts on the ceiling panel.



Camera External Devices Connection

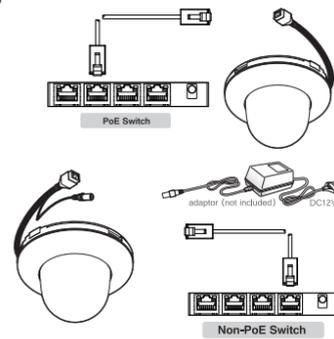
The MPTZ5X MEGApix camera supports a micro SD Card for local emergency recording. Use the diagram below to locate the SD Card slot in the camera.



Network Connection

There are two options for powering MEGApix Cameras

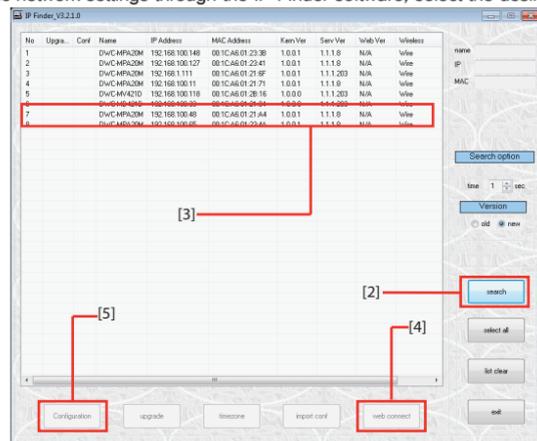
1. Using a PoE-Enabled Switch
The MEGApix Camera is PoE-compliant, allowing transmission of power and data via a single ethernet cable.
2. Using a Non-PoE Switch
If a PoE-enabled switch is not used, use a power adaptor to connect the MEGApix Camera to a Non-PoE switch.



Installing IP Finder

IP Finder searches for all the available network devices on your local area network.

1. Install IP Finder to find your MEGApix Camera on the local Network. The IP Finder software is on the included mini-CD. Run IP Finder and install onto your PC.
2. When setup is complete, launch the IP Finder software.
3. To find your MEGApix camera, click Search button. Your MEGApix camera will appear as "DWC-MPTZ5X."
4. To access the camera directly via Internet Explorer, select the desired device and click Web Connect.
5. To change basic network settings through the IP Finder software, select the desired device and click Configuration.



Setting the Camera on IP Finder

A user can use the IP Finder software to setup the basic network settings.

1. DHCP: If DHCP is selected, an IP address will automatically be assigned to the camera. If your network does not support DHCP, a default IP address and subnet mask will automatically be assigned.
2. PPPoE: Select this option, when you use WAN service or a PPPoE-based internet service.
3. Static IP: This option will assign a static (fixed) IP to your camera.
4. Use DDNS: Check this option to use DDNS (Dynamic DNS). DDNS allows users to setup a unique URL for the IP camera.
5. Port: This section displays all the port numbers that are required for remote communication.

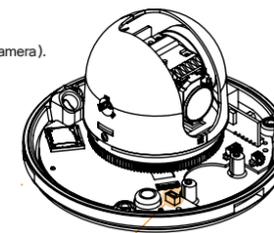
Resetting the Camera

Pressing the reset button on the camera's control board for five (5) seconds while power cycling the camera will initialize all environmental variables to factory default. To do so:

1. Turn the camera Off (unplug from PoE Switch).
2. Press and hold the 'Reset' button and turn the device On (Connect PoE cable to camera).
3. Hold the Reset button for 5 seconds while the power is on.
4. The camera would be set to its default settings.

The following are the default network settings:

IP Mode	DHCP
IP Address	192.168.1.123
Subnet Mask	255.255.255.0
Gateway	192.168.1.123
Command Port	7000
HTTP Port	80
Live Port	7001



Frequent use may cause a System Error

SPECIFICATIONS

Setting the Camera on IP Finder

Set the Camera for Internal Use

If you wish to connect your MEGApix Camera internally from within the same network:

1. Find your MEGApix Camera on IP Finder software and click Configuration.
2. Select an IP Configuration Mode - DHCP, PPPoE, or Static - that is available to you. Recommended Setting is DHCP.*
3. If you wish to use DDNS, select the Use DDNS option.
4. When the setup is complete, select Apply.
5. Then, select Reboot button. The rebooting process usually takes up to a minute.
6. Select Exit.
7. On the IP Finder window, select Search and confirm that your changes have been made.

Set the Camera for External Use

If you wish to connect your MEGApix Camera to an external network, please use Static IP.

1. Find your MEGApix Camera on IP Finder software and click Configuration.
2. Select Static IP Configuration Mode.
3. If you wish to use DDNS, select the Use DDNS option. See page 10 for further information.
4. When the setup is complete, select Apply.
5. Then, select Reboot button. The rebooting process usually takes up to a minute.
6. Select Exit.
7. On the IP Finder window, select Search and confirm that your changes have been made.

Webviewer Specifications

Minimum Requirements for PC

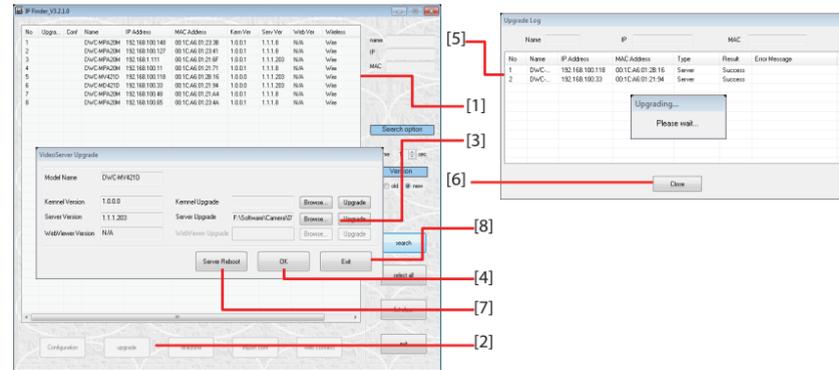
CPU	Intel P4 2.0GHz Dual Core
RAM	More than 1GB
HDD	200GB Required for Saving Clip Image
OS	Microsoft Windows XP or Higher
Resolution	Higher than 1024X768

MEGApix CAMERA SETUP

Upgrading the Camera's Firmware

Use IP Finder to upgrade firmware to all your MEGApix cameras from one location.

1. Select all the cameras you would like to upgrade. Select multiple cameras by holding down the Ctrl button.
2. Press the 'Upgrade' button.
3. Browse and select the appropriate file to use for the upgrade. Press the 'OK' button.
4. The system will start updating all the selected cameras in a new window.
5. The system will indicate if the upgrade was successful or not for each camera.
6. When all cameras have been properly upgraded, press the 'Close' button
7. To complete the upgrade, reboot the cameras by pressing the 'server reboot' button.
8. Press the 'Exit' button
9. Allow up to 60 seconds for the cameras to reboot and press the 'Search' button. If the cameras reappear in the IP Finder the reboot is complete and the camera is ready.



Accessing the Camera

Monitor & configure the MEGApix camera through a built-in webviewer.

Main Display Area

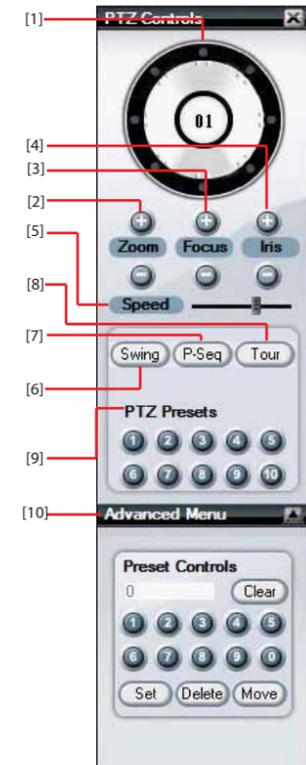


- 1 Enter the IP address of the camera on the Internet Explorer window. Example: <http://192.168.1.123> (Default)
- 2 Enter Username and Password. (Default: Username: admin/ Password: admin)
- 3 The web browser will ask to install Active-X Control. Once it has been installed, Internet Explorer will display video images from the camera.

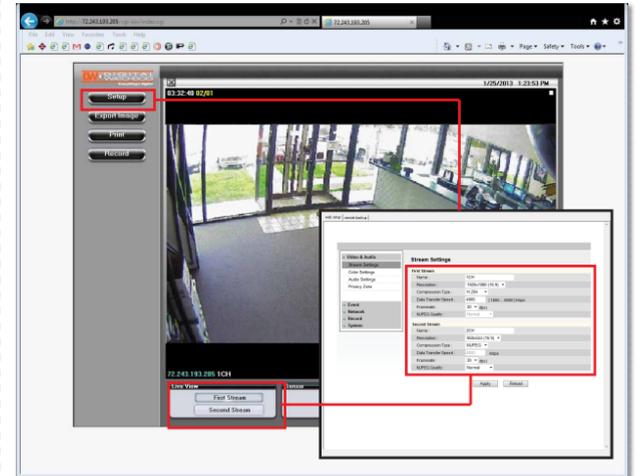
Accessing the Camera

Controlling the Camera Using the Virtual Joystick

1. Pan Tilt Wheel- Move the camera in eight (8) directions by clicking and holding with your mouse's left button on the corresponding button. Pressing the central upper button will move the camera UP. To stop the camera's movement, release the mouse's click.
2. Zoom Control Button- Press the '+' to make the camera zoom into the center of the image. Press '-' to make the camera zoom out to the full field of view.
3. Focus Control Button- Not Applicable for this model.
4. Iris Control Button- Not Applicable for this model.
5. Speed Control Button- Move the speed bar to the left to reduce the camera's speed. Move the speed bar to the right to increase the camera's speed.
6. Swing Button- Start and stop any of the previously set Swing commands.
7. P-Seq Button- Start and stop any previously set Preset Sequence commands.
8. Tour Button- Start and stop any of the previously set tour commands.
9. Presets buttons- Send the camera to a specific preset previously setup. To activate presets higher than 10, expand the Advanced Menu option and use the numeric buttons to select a preset.
10. Advanced Menu- Preset Controls-Use the Advanced Menu to delete, set and move presets from the camera's main display window.



First Stream & Second Stream



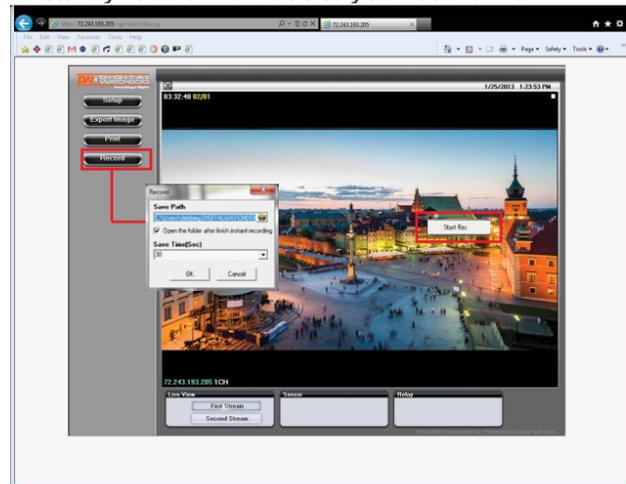
Configure two different stream settings (First Stream and Second Stream) for monitoring and recording. Second Stream is used to record on Motion Detection and the SD card local backup.

- 1 Click Setup to adjust the two available stream settings. The two streams can differ in Resolution, Compression Type, Data Transfer Speed, and Framerate.
- 2 On the main monitoring page, click First Stream button to view the camera with the First Stream settings, and click Second Stream button to view the camera with the Second Stream settings.

Stream settings are disabled if accessing the camera from the DW Spectrum software.

Instant Recording

Instantly record live video to your local drive.



To Setup Instant Recording

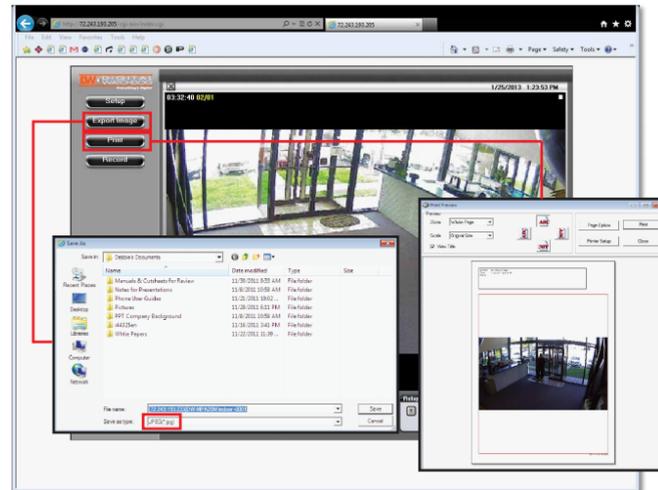
Select the Record button and Indicate where you want the videos to be saved. Setup the duration of the instant recording. You can record up to 120 seconds of live video. When setup is complete, click OK to save changes.

To Start and Stop Instant Recording

To Start, right-click anywhere on the display screen. Select Start Rec. The icon on the top right of the screen will change to INSTANT.

To Stop, right-click anywhere on the display screen. Select Stop Rec. The video will be displayed in the designated folder when recording is complete.

Export & Print



To Export an Image:

1. Select the Export Image button. A 'Save As' window will appear.
2. Select the folder you wish to Save in and type a File Name.

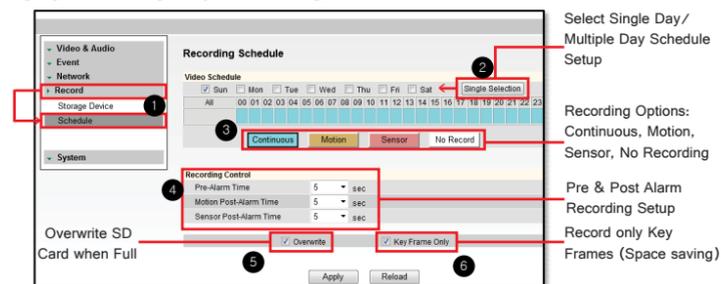
To Print an Image:

1. Select the Print button. The Print Preview window will appear.
2. Adjust the orientation of the screenshot.
3. Zoom in on a portion of an image prior to printing or select the image's scale on the page.
4. To print information about the screenshot, select View Title.
5. To add a memo for the screenshot, select Page Option.
6. Go to Printer Setup to select the printer and manage printer properties. Select Print to print the page.

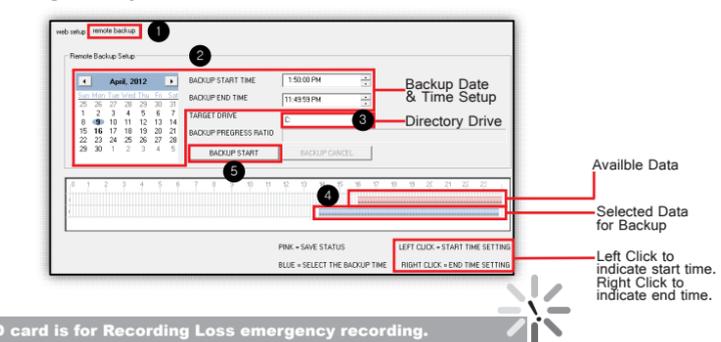
SD Card Installation & Setup

The MEGApix cameras offer local backup in case of network loss.

Setting up an Emergency Recording Schedule:



Exporting Backup Data from the SD Card:



SD card is for Recording Loss emergency recording.

Camera Specifications

IMAGE	
Image Sensor	1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
Minimum Scene Illumination	F3.5 (50IRE): 4.6 Lux [Color], F3.5 (50IRE): 1.5 Lux [B&W]
LENS	
Focal Length & Maximum Aperture Ratio	5-25mm, F3.5 - F3.7, Zoom Lens
Digital Zoom / Optical Zoom	12X / 5X
Horizontal Angle	49.2° (W) ~ 10.52° (T)
Pan Tilt Zoom	
Range	350° Pan, 90° Tilt
Preset	255
Sequence	4
Swing	8, 8.1"~120"/Sec
Tour	8 (Max 20 Entries Per Group)
NETWORK	
Interface	Ethernet 10/100 Base-T (RJ-45)
Video Compression Type	H.264, MPEG4, MJPEG
Resolution & Framerate	1920X1080 , Up to 30fps at All Resolutions
Maximum User Access	5 Users
ONVIF Conformance	Yes
Web Viewer	OS: Windows XP / Vista / 7, MAC OS Browser: Internet Explorer, Chrome, Firefox, Safari DW Spectrum
Video Management Software	
Memory Slot	24 hours recording to Micro SDHC Card (up to 32GB) Card Not Included*
ENVIRONMENTAL	
Operating Temperature/ Humidity	-10°C ~ 50°C (14°F ~ 122°F), Less than 90%
IP Rating	IP66 (Protects against dust and high pressure water)
MECHANICAL	
Power Requirement	DC12V, PoE [IEEE802.3af Class 3]
Power Consumption	PTZ Idle: 5W, 430mA, PTZ in Operation: 8W, 670mA
Dimensions & Weight	125 x 83 mm (4.9 x 3.26"), 1.12 lbs

*Specification is subject to change without prior notice.