

## MEGAPIX MPA20M

IP 2.0MP Armored Vandal Dome Camera

## **Quick Setup Guide**





## **Recommended Settings**

Camera Access from Internal Network Set Camera to DHCP. Refer to page 10.

## Camera Access from External Network

Set Camera to Static and DDNS. Refer to page 10.

### Camera Color Settings

White Balance					
Mode	Auto	-			
Auto Exposure					
Brightness	11	•			
Shutter Mode	Auto	-			
Digital Slow Shutter	Off	•			
Shutter Speed	1/30	•			
AGC Gain	18	•			
BLC Mode	Off	•			
Day & Night					
Mode	Auto	•			
Switching from Color to B/W	5	[ 0 10, default 5 ]			
Switching from B/W to Color	5	[ 0 10, default 5			

#### Extra Setting

Extra obtaing		
Lens Mode	Indoor	•
Chroma	8	-
Sharpness	5	•
Mirror	Off	•
Flip	Off	•
Digital Noise Reduction	Middle	•

The following items are included with the MEGAPIX camera

#### W-SJELLE MEGAPIX Series Outdoor Vandal User Manual CD 0 (Manual & Software ABOUT MANUAL Debs intelling and using the carriers, play lie sure to lease 11 and 10 failure reference NEGAPIX Serie Quick Start Mounting Guide Template L-Wrench 4 Screws T10-M3 4 Dry Wall 8888 Anchors Camera Input Sensor 2 Power Supply DC12V MAX 4.8W, 400mA MAX 5.7W, 475mA [IR] 3 RJ45 Connector

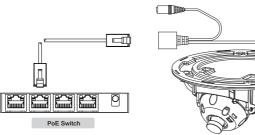
Thank you for purchasing Digital Watchdog's MEGAPIX Armored Vandal Dome Camera. Before installing the camera, please verify your model and read this guide carefully.

## **Network Connection**

There are two options.\*

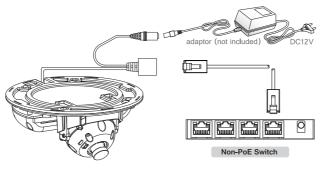
Using a PoE-Enabled Switch

The MEGAPIX Camera is PoE-compliant, allowing transmission of power and data via a single ethernet cable. Follow the illustrations below to connect the camera to a PoE-enabled switch using an 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.



## INSTALLATION

**Prepare the Camera and Mounting Surface** 



 Using the supplied T10-M3x15.0 Allen Key, loosen the four security screws. Carefully remove the dome cover.



As shown in the diagram, the MEGAPIX camera comes with a safety wire attached. The safety wire will secure the dome to the camera module during the installation process.



3 Use camera mounting template or your camera to mark the holes as required.



4 Drill holes into the drywall and insert the drywall mounts.

5

## Mount the Camera

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The MEGAPIX Camera is designed to be surface mounted on a wall or ceiling.





9 Pull wires through and make connections. Refer to "Network Connection" for further explanation. 6 Mount the camera to the wall or ceiling using the screws provided with the camera.



 Adjust the camera's pan and tilt.
Check the LED Light. Green light flickers for booting. Red light turns on when booting is complete.



8 Tighten the four locking screws.

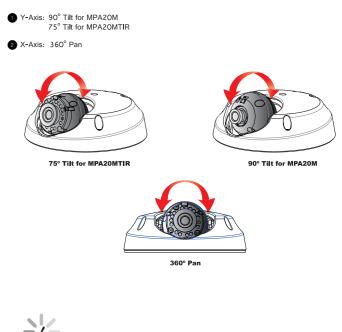
TEL: (866) 446-3595 www.Digital-Watchdog.com / technicalsupport@dwcc.tv

Technical Support Hours: Monday-Friday 8:30AM to 8:00PM EST

# SPECIFICATIONS

### **Lens Specifications**

Lenses are pre-focused at the factory. In the unlikely event that the optical effect of the dome cover cause a slight defoucing of the lens, hold the dome cover over the lens to make a final adjustment.



## 7

#### **Camera Specifications**

Total Pixels	0010 // B X 1100 // A		
	2016 (H) X 1108 (V)		
Minimum Scene Illumination	F1.6 (30IRE): 0.8 Lux [Color]		
LENS	F1.6 (30IRE): 0.01 Lux [B/W]		
Focal Length	4.3mm		
Lens Type	Fixed		
OPERATIONAL	Fixed		
Brightness	0~19		
Shutter Mode	Auto, Manual		
Digital Slow Shutter	Off, 2X, 3X, 4X		
Shutter Speed	1/30, 1/60, 1/120		
Auto Gain Control	0~20		
Back Light Compensation	Off, On		
Day and Night	Auto, Day(Color), Night(B/W)		
Lens Mode	Indoor, Outdoor		
Chroma (Hue & Saturation Settings)	0~20		
Sharpness	0~10		
Mirror & Flip	On, Off		
3D-Digital Noise Reduction	Off, Low, Middle, High		
Privacy Zone	Off, On (30 Programmable Zones)		
Motion Detection: Sensitivity	Low, Middle, High		
NETWORK	Eow, Middle, Figh		
LAN	802.3 Compliance 10/100 LAN		
Video Compression Type	H.264, MPEG4, MJPEG (Super Fine~Low)		
Resolution	1920X1080 (16:9) ~ 320X240 (4:3)		
Frame Rate	Up to 30fps at All Resolutions		
Streaming Capability	Dual-Stream at Different Rates and Resolutions		
IP	IPv4, IPv6		
Protocol	TCP/IP, HTTP, DHCP, PPP₀E, ICMP, ARP, RARP,		
	RTSP, NTP, UDP, Multicast		
Maximum User Access	20 Users		
ONVIF Conformance	Yes		
Web Viewer	OS: Windows XP / Vista / 7, MAC OS		
	Browser: Internet Explorer, Chrome, Firefox, Safari		
Video Management Software	NxMS, Pivot		
Memory Slot	Micro SDHC Card (4GB-32GB), Card Not Included*		
ENVIRONMENTAL			
Operating Temperature/ Humidity	-10°C ~ 55°C (14°F ~ 131°F)		
Operating Humidity	Less than 90% (Non-Condensing)		
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)		
IP Rating	IP66 (Protects Against Dust and High Pressure Water.)		
Other Certifications	CE, FCC, RoHS		
ELECTRICAL			
Power Requirement	DC 12V, PoE (IEEE802.3af Class 2)		
Power Consumption	5.16W, 430mA		
MECHANICAL			
Material	Aluminum		
Dimensions	120 X 55.7 mm, 4.72 X 2.19 in		
	0.728 lbs		

# **MEGAPIX CAMERA SETUP**

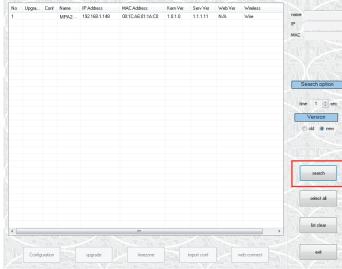
## Installing IP Finder

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

Install IP Finder to find the MEGAPIX Camera on the local network. The IP Finder software can be found on the included User Manual 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.
- 4 Your MEGAPIX camera will appear as "MPA20M."
- To access the camera directly via Internet Explorer, select the desired device and click Web Connect. To change basic network settings through the IP Finder software, select the desired device and click

Configuration. Then, proceed to pages 10-11 for information on setting up the camera on IP Finder.



## Setting the Camera on IP Finder

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



Configuetion opposite inscore import conf

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.

PPPoE: Select this option, when you use WAN service or a PPPoE-based internet service. To use PPPoE, you must contact your Internet Service Provider for a User ID and Password.\*
Static IP: This option will assign a static (fixed) IP to your camera. A static IP address

will prevent the network from changing the camera's IP address and make it easier to access, especially when the camera is on a large network and accessed by multiple users.

To use static IP, you will need to contact your Internet Service Provider.\*

Use DDNS: Check this option to use DDNS (Dynamic DNS). DDNS allows users to setup a unique URL for the IP camera.

To use DDNS, you must register for a DDNS ID from a DDNS Hosting Service. st

6 Port: This section displays all the port numbers that are required for remote communication.

## **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

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## 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:

- Find your MEGAPIX Camera on IP Finder software and click Configuration.
- 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. 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.
- On the IP Finder window, select Search and comfirm 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.

- Find your MEGAPIX Camera on IP Finder software and click Configuration.
- 2 Select Static IP Configuration Mode.
- 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.

**Resetting the Camera** 

Reboot the system and the camera will start immediately.

Previous setup for IP default, time, etcetera will be deleted.

If a system IP address is lost, reset the camera back to factory default.

DHCP

7000

80

7001

Frequent use may cause a System Error

192,168,1,123

192.168.1.123

255.255.255.0

SW5 [Camera Reboot]

SW4 [Factory Default]

The following are the default network settings:

IP Mode

IP Address

Subnet Mask

Command Port

Gateway

HTTP Port

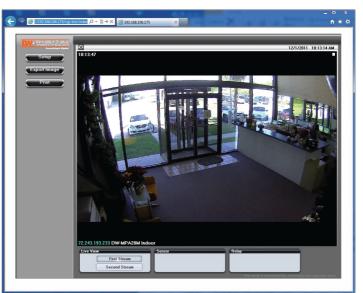
Live Port

- 5 Then, select Reboot button. The rebooting process usually takes up to a minute.
- 6 Select Exit.
- On the IP Finder window, select Search and comfirm that your changes have been made.

Pressing SW5 while holding down SW4 will initialize all environmental variables to factory default.

#### **Accessing the Camera**

Remote Video Monitoring

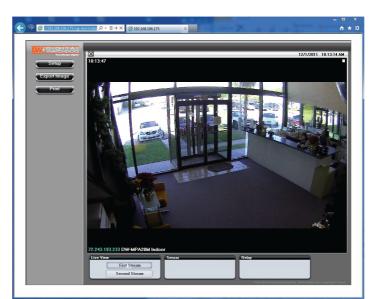


Monitor and configure the MEGAPIX camera through a built-in webviewer.

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

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## **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.

- Click Setup to adjust the two available stream settings: First Steam and Second Stream. The two streams can differ in Resolution, Compression Type, Data Transfer Speed, and Framerate.
- On the main monitoring page, user can view the camera with the First Stream settings or the Second Stream Settings. Below the display screen, 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.

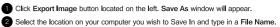
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10

## **Export Live Video Image**



Export a screenshot of the current live video to your computer.



3 Click Save button and the screenshot will be saved.

## **Print Live Video Image**

Print a screenshot of the current live video.



Click Print button, and the Print Preview window will appear.

2 Scale the size of the screenshot or adjust the orientation of the screenshot.

- To print information about the screenshot, select View Title. To add a memo for the screenshot, dick Page Option.
- Go to Printer Setup to select the printer and manage the printer properties.

5 Select Print to print the page, or Close to cancel the print.