

# MEGAPIX MPA20M

IP 2.0MP Armored Vandal Dome Camera

## Quick Setup Guide



## PREPARATION

The following items are included with the MEGAPIX camera

User Manual		CD (Manual & Software)	
Quick Start Guide		Mounting Template	
L-Wrench T10-M3		4 Screws 4 Dry Wall Anchors	

1 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.

## INSTALLATION

### Prepare the Camera and Mounting Surface

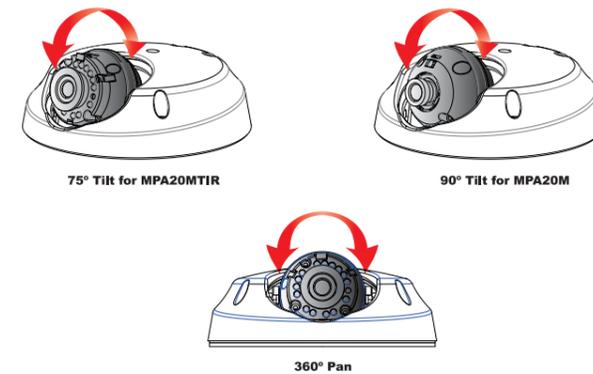
- Using the supplied T10-M3x15.0 Allen Key, loosen the four security screws. Carefully remove the dome cover.
- As shown in the diagram, the MEGAPIX camera comes with a safety wire attached. The safety wire will secure the dome to the camera module during the installation process.
- Use camera mounting template or your camera to mark the holes as required.
- Drill holes into the drywall and insert the drywall mounts.

## 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 defocusing of the lens, hold the dome cover over the lens to make a final adjustment.

- 1 Y-Axis: 90° Tilt for MPA20M  
75° Tilt for MPA20MTIR
- 2 X-Axis: 360° Pan



Over-rotating the lens will damage the camera lens module

### 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

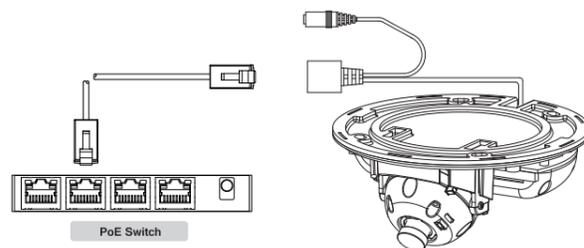
<b>White Balance</b>		
Mode	Auto	
<b>Auto Exposure</b>		
Brightness	11	
Shutter Mode	Auto	
Digital Slow Shutter	Off	
Shutter Speed	1/30	
AGC Gain	18	
BLC Mode	Off	
<b>Day &amp; Night</b>		
Mode	Auto	
Switching from Color to B/W	5	[ 0 ... 10, default 5 ]
Switching from B/W to Color	5	[ 0 ... 10, default 5 ]
<b>Extra Setting</b>		
Lens Mode	Indoor	
Chroma	8	
Sharpness	5	
Mirror	Off	
Flip	Off	
Digital Noise Reduction	Middle	

### Network Connection

There are two options.\*

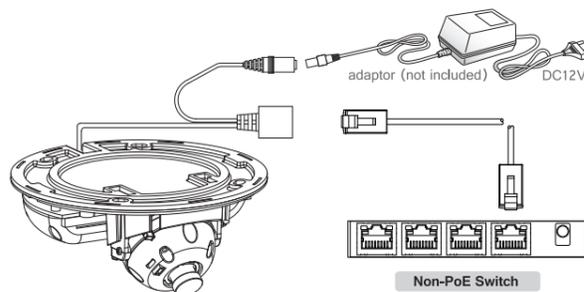
#### 1 Using a PoE-Enabled Switch

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.



### Mount the Camera

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

- Pull wires through and make connections. Refer to "Network Connection" for further explanation.
- 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.
- Tighten the four locking screws.

### Camera Specifications

<b>IMAGE</b>	
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.8 Lux (Color) F1.6 (30IRE): 0.01 Lux (B/W)
<b>LENS</b>	
Focal Length	4.3mm
Lens Type	Fixed
<b>OPERATIONAL</b>	
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
<b>NETWORK</b>	
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, PPPoE, 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	NMS, Pivot
Memory Slot	Micro SDHC Card (4GB-32GB), Card Not Included*
<b>ENVIRONMENTAL</b>	
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
<b>ELECTRICAL</b>	
Power Requirement	DC 12V, PoE (IEEE802.3af Class 2)
Power Consumption	5.16W, 430mA
<b>MECHANICAL</b>	
Material	Aluminum
Dimensions	120 X 55.7 mm, 4.72 X 2.19 in
Weight	0.728 lbs

\*Specification is subject to change without prior notice.

