



## MEGApix® PANO 2.1MP 180° Camera DWC-PB2M4TIR

### Quick Start Guide

Ver. 1.0 / 2014.11

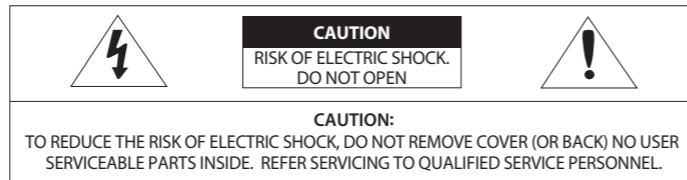
Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for future reference.



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

To disconnect power from the mains, pull out the mains cord plug. When install the product, ensure that the plug is easily accessible.

## Safety Information



This symbol indicates that dangerous voltage consisting a risk of electric shock is present within this unit.

This exclamation point symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### WARNING

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

### WARNING

1. Be sure to use only the standard adapter that is specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product.
2. Incorrectly connecting the power supply or replacing battery may cause explosion, fire, electric shock, or damage to the product.
3. Do not connect multiple cameras to a single adapter. Exceeding the capacity may cause abnormal heat generation or fire.
4. Securely plug the power cord into the power receptacle. Insecure connection may cause fire.
5. When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
6. Do not place conductive objects (e.g. screw drivers, coins, metal things, etc.) or containers filled with water on top of the camera. Doing so may cause personal injury due to fire, electric shock, or falling objects.

7. Do not install the unit in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
8. If any unusual smells or smoke come from the unit, stop using the product. In such case, immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
9. If this product fails to operate normally, contact the nearest service center. Never disassemble or modify this product in any way.
10. When cleaning, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

### CAUTION

1. Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
2. Do not install in a location subject to high temperature low temperature or high humidity. Doing so may cause fire or electric shock.
3. If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.
4. Remove the power plug from the outlet when there is a lightning. Neglecting to do so may cause fire or damage to the product.
5. Keep out of direct sunlight and heat radiation sources. It may cause fire.
6. Install it in a place with good ventilation.
7. Avoid aiming the camera directly towards extremely bright objects such as sun, as this may damage the image sensor.
8. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
9. The Mains plug is used as a disconnect device and shall stay readily operable at any time.

## Important Safety Instructions

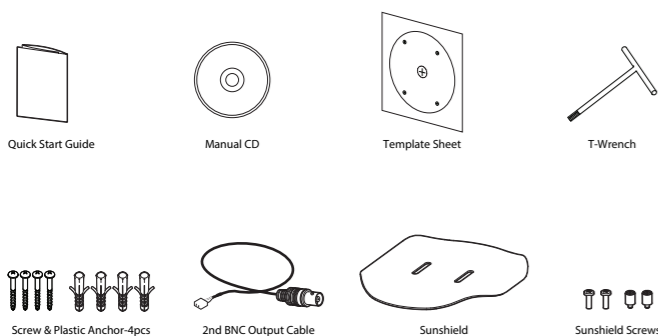
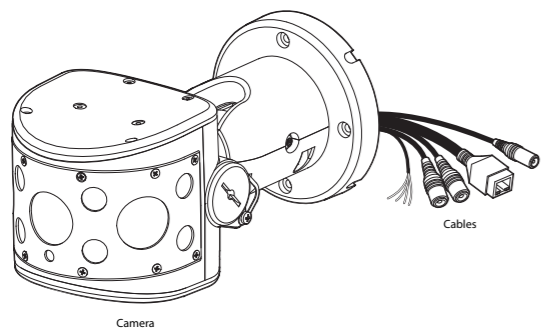
### WARNING

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
13. Unplug this apparatus when a cart is used. Use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

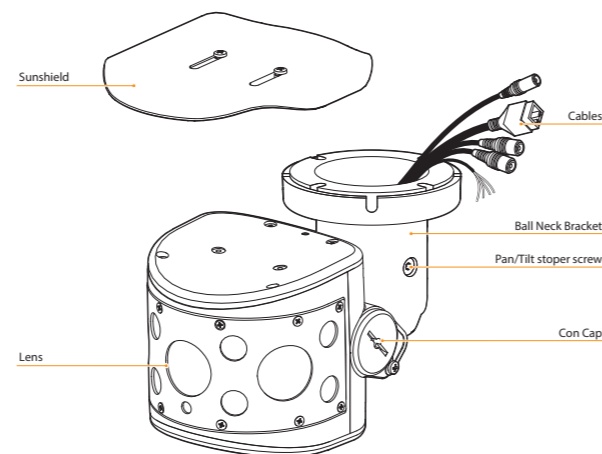


## Product & Accessories

Please check if all the camera and accessories are included in the package.



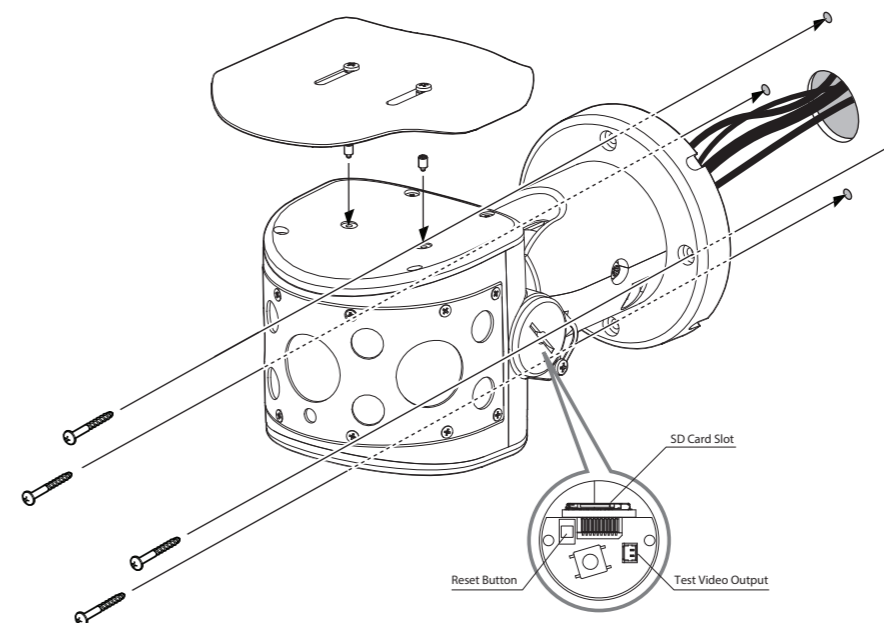
## Part Name



## Installation

Before installing your camera, read the following carefully.

1. The mounting surface must withstand at least five times the weight of the camera.
2. Do not let any cables get caught or the electric cover be damaged during installation.



1. Using the Mounting Template or the camera itself, mark and drill the mounting holes.
2. Pass cables through and connect the cables respectively. See the section 'Cabling' for more information.
3. Secure the camera to the wall/ceiling using the provided screws.
  - Before securing the camera to the mounting surface, slightly loosen the Pan/Tilt stopper screw.
4. Using the secondary BNC output, check the camera's view and adjust as needed during installation.
5. Attach the Sunshield to the bottom case by using Sunshield Screws.

**Reset to the Factory Default**  
Press the reset button for 5 seconds to return the camera's settings to their factory default.

**Warning:**  
Pressing the 'Reset' button will result in loss of all setting data. If needed, make a note for further installation.

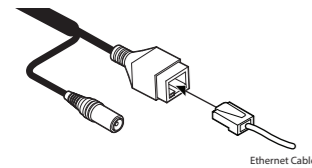
## Cabling

### Two Options

Use a PoE-enabled switch to connect data and power through a single cable and begin viewing and recording images instantly. A non-PoE switch will require an adaptor for power transmission.

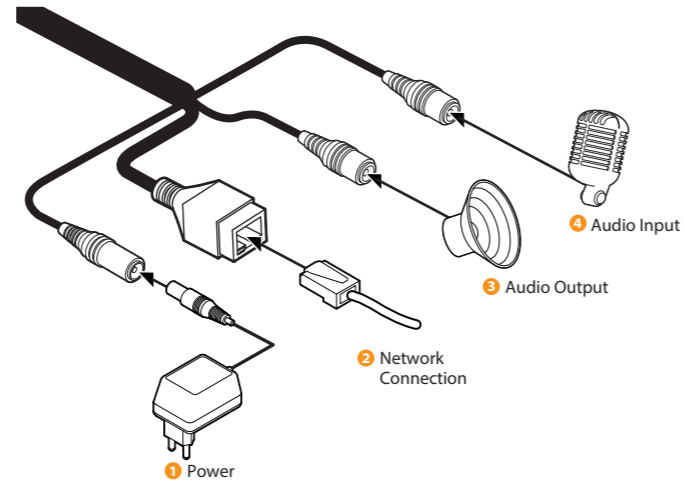
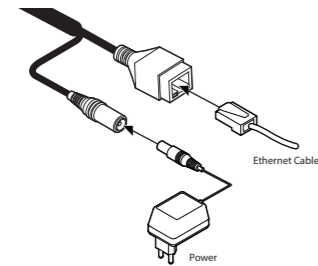
#### 1. Using a PoE-Enabled Switch

The Camera is PoE-compliant, allowing transmission of power and data via a single Ethernet cable. PoE eliminates the need for the different cables used to power, record, or control the camera. Follow the illustration 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 for power transmission and non-PoE switch for data transmission. Follow the illustrations below to connect the camera without a PoE-enabled switch using an Ethernet cable.



#### 1 Power Connection

Please, check the voltage and current capacity of rated power carefully.

Rate Power	Current Consumption	PoE
DC 12V	6W (IR Off) 19W (IR On)	IEEE 802.3at PoE+ / High Power PoE

#### 2 Network Connection

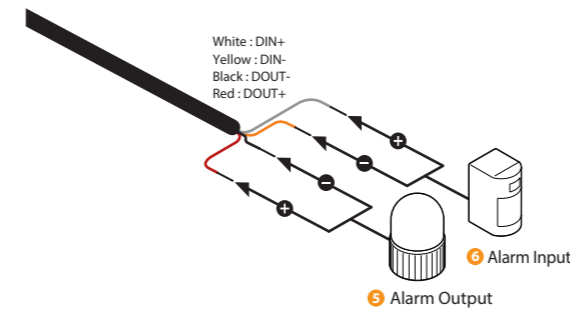
Connect the crossover cable into the RJ-45 port.

#### 3 Audio Output

Connect the 'Audio Out' cable of the camera to a device such as a speaker.

#### 4 Audio Input

Connect the 'Audio In' cable of the camera to a device such as a microphone.



#### 5 Alarm Output

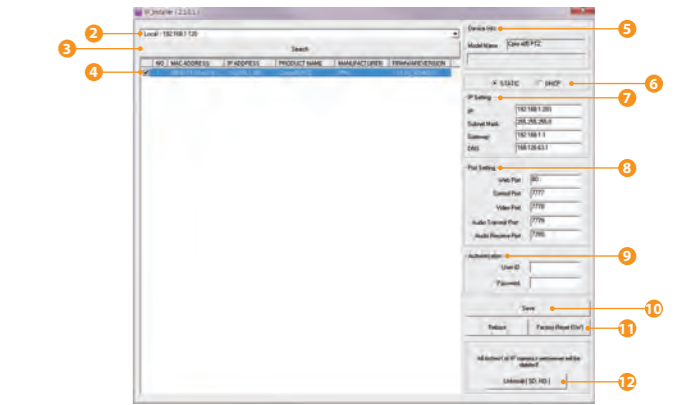
Connects to alarm lights, siren or lamps and is activated according to the Setup Menu settings.

Connect the relay output device's cables to the red and black lines of the Alarm Cables.

#### 6 Alarm Input/Sensor

Connect the sensor/alarm input device's cables to the white and yellow lines of the Alarm Cables.

## IP Installer



### 1. Run IP Installer

1 Run the CD included with the camera and install the IP installer in S/W folder.

2 Click on Network Adaptor selection Menu (NIC).

3 Select the network the camera is connected to and click 'Search'. Allow up to 5 seconds for the IP Installer to find the camera on the network.

4 Select a camera from the list by checking the box next to the camera's name.

5 The camera's information will appear under Device Info.

6 If necessary you can change the camera's network type.

1 Select DHCP if the internet service is dynamic IP. This will allow the camera to receive its IP address from the DHCP server.

1 Select STATIC if the camera's IP address is received from a network administrator. If the camera is set to STATIC, manually enter the camera's IP address, subnet mask, Gateway and DNS information.

1 If the camera is set to STATIC, please contact your Network Administrator or internet service provider for more information.

7 The camera's IP information will be displayed in the IP section. If the camera is set to STATIC, you can manually enter that information in the corresponding fields.

1 Default TCP/IP information  
- IP: 192.168.1.80  
- Subnet Mask: 255.255.255.0  
- Gateway: 192.168.1.1  
- DNS: 168.126.63.1

8 Change the camera's communication ports as necessary.

1 A 'Port Forwarding' has to be set in your network's router for external access to the camera.

1 Refer to the router's manual for 'Port Forwarding' setup.

1 An additional change of HTTPS, RTSP port can be done at the camera's Setup Menu under Web Viewer > Admin page.

9 Input ID and PW of the camera for authentication.

1 It is recommended to change the camera's ID and PW for security reason.  
1 To change the camera's username and password, Go to "Web viewer>Admin page>System>Users".  
1 The ID and PW will be set to default value

1 Default ID / PW : admin / admin

10 Make sure to click 'Save' to save any changed values.

1 An "Apply" message will pop-up when settings are successfully changed, or an error message will pop-up when changes were not saved.

11 To reboot or reset (except network setting) the camera.

1 Select a camera (multiple camera can be selected) > Input ID and PW > Click 'Reboot or Factory Reset'.

12 Delete an Active-X file for a camera's Web Viewer.

1 Please re-install the Active-X after deleting previous Active-X. Changing the security options of your IE may be necessary depending on the IE version.

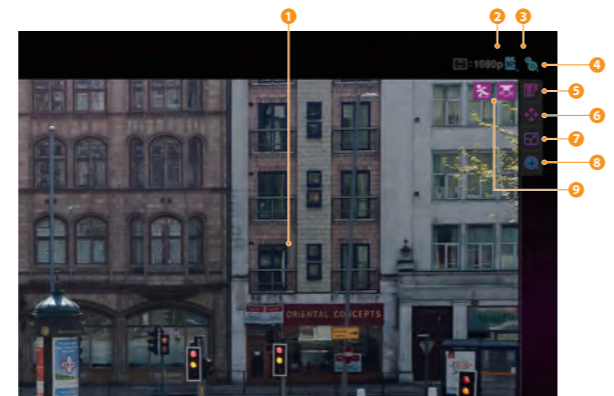
1 Note that all other IE windows will be closed when uninstalling Active-X.

1 To access the camera's Web Viewer, double-click on any of the cameras in the IP Installer. The camera's Web Viewer will open in an IE window.

1 Input the camera's ID and PW.

1 Install all ActiveX files requests.

## Web Viewer Screen



1 Web viewer is optimized with Windows XP or above and Internet Explorer browser.

1 Live video display. This area displays live video stream from the camera.

2 Resolution. The resolution information of the video currently in display.

3 SD Card Search. Searching or Playing images stored in the SD Card.

4 Setup popup button. Click it to open the camera's setup page. This allows you to setup the camera's Video, Network, Events, System etc.

5 Control tab button. Click the button to extend the panel for full control of the web-viewer's function.

6 PTZ control button. Click the button to extend the panel to control the camera's Pan, Zoom, Preset, Tours etc.

7 Full screen button. Click the button to extend the display to full screen. Press 'Esc' or 'Enter' to return to normal mode.

8 Camera Setup button. Click the button to open the Setup page to setup the camera's image settings such as lens, white balance, auto exposure, BLC etc.

9 Event alert icon. If Alarm in and Motion detection are detected, below icons will appear.



## Disposal of Old Appliance



1. When this crossed-out wheel bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream in accordance to laws designated by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.