

2M HD IP **Outdoor Flat Dome Camera**

Quick Manual

Ver. 1.0 / 2022.04

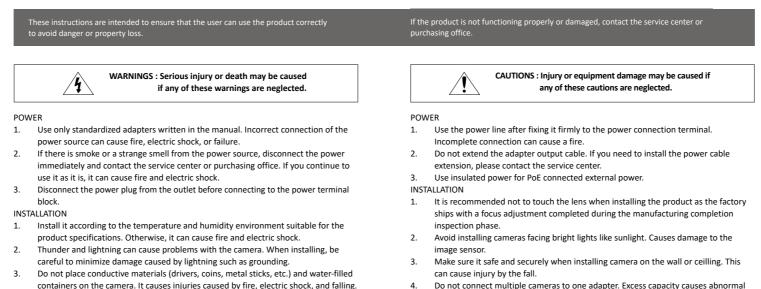
Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for future reference.

FCCC

nt has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC This equipment has been tested and found to comply with the limits for a class A algula better, pursuant to part 15 or the PCU. 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 userwill 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

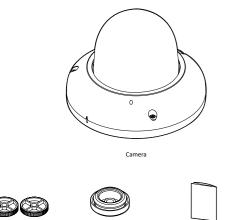
Safety Information



- 4. Do not connect multiple cameras to one adapter. Excess capacity causes abnormal heat and fire.
- Wear protective gloves when installing/uninstalling the camera. This causes burns 5. caused by high temperature on the surface of the product.
- Don't drop or shock the product. Please stay away from places where vibration is 6. severe or magnet types are present
- Install it in a well-ventilated place. This can cause fire and failure. 7 CLEANING
- Wipe the contaminated surface with a clean, soft, dry cloth or wet the soft, dry cloth 1. to prevent water from flowing, then wipe the contaminated area.

1. Product & Accessories

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







Template Shee







Quick Manua





(Moisture Absorber Plastic Anchor - 2pc

2. Part Name

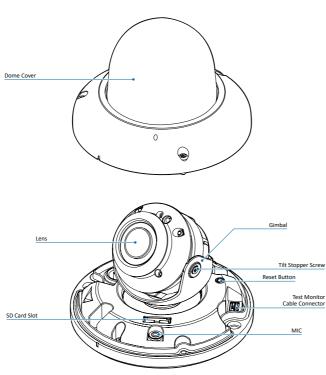
Δ

5.

6.

1.

CLEANING



If you want to move the installed product, turn off the power and move it or reinstall it.

Do not install it in places where there is a lot of moisture, dust, soot, etc. It causes

Do not spray water directly on each part of the product when cleaning. It causes fire

Avoid places where direct sunlight comes in or where heat comes out, such as

Otherwise, it can cause fire and electric shock.

heating appliances. It causes fire and electric shock.

fire and electric shock.

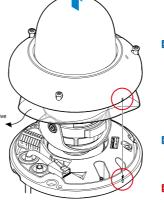
and electric shock.

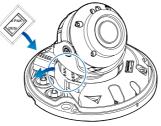
3. Disassemble the Camera

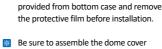
Before installing your camera, you have to read the following cautions.

1. You have to check whether the location can bear five times of the weight of your camera. 2. Don't let the cable to be caught in improper place or the electric line cover to be damaged. Otherwise it may cause a breakdown or fire.

- 3. When installing your camera, don't allow any person to approach the installation site.
- If you have any valuable things under the place, move them away.







1 Detach the dome cover by torx wrench

and bottom case to match the case outline

Reset to the Factory Default Press the reset button for 5 seconds to return the setup to the factory default.

Warning :

If you press the 'Reset' button, you will lose all setting data. If needed, please, make a note for further installation.

Desi-Pak (Moisture Absorber) Remove the existing Desi-Pak and

insert the new one belonging in accessory between Module and Base at the end of the installation

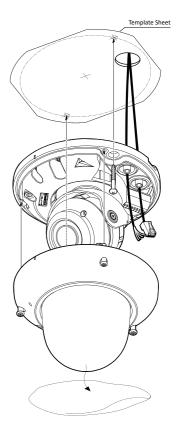
Warning :

The inserted Desi-Pak may fall during installaion.

Installation and Use Precautions

- The battery (battery pack or equipped battery) must not be exposed to excessive 1. heat such as sunlight, fire, etc.
- 2. Do not disassemble the camera at your discretion.
- If you forcefully install the product with excessive force, malfunction can damage 3 the camera
- Do not punch or shake the camera and be careful not to damage the camera with 4. careless storage or malfunction.
- Be careful not to install the camera in a rainy or humid place, and do not leave it in a 5. wet place.
- Installing or using the product in water can cause serious product failure. 6.
- 7. Do not install the product if there is chemical or vapor in the place where the product is installed, or if it can be generated.
- Be careful not to get chemicals on the surface of the product when installing the 8. product. Chemical solvents such as cleaning agents and adhesive components can cause fatal damage to the surface of the product.
- Do not install it near the kitchen or cooking table as edible oil such as soybean oil 9 can also cause product damage and deformation. It can cause product damage.
- 10. Be careful not to get foreign substances on the Micro SD card terminal. If there is any foreign substance, wipe it with a soft cloth.
- Data will not be saved at the end of the life of the Micro SD card. In this case, 11. purchase a new Micro SD card.
- 12. Moisture may occur in the glass of the camera when the new product box is opened (or when the product is initially running). The generated moisture is removed by a Gore vent attached to the camera within hours of the power connection.
- 13. For products enclosed with a desiccant or card-type absorbent, please install it according to the manual.
- 14. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
- Unplug this apparatus when a cart is used. Use caution when 15. moving the cart/apparatus combination to avoid injury from tip-over





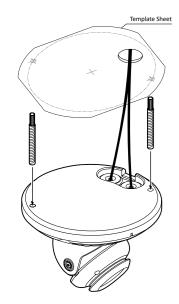
4. Installation

- Disassemble the camera. See the section 'Disassemble the camera' for details.
- Q Using the template sheet, make the cabling holes on the wall/ceiling.
- 3 Pull wires through and make all necessary connections. See the section '6. Cabling' for details.
- 4 Fix the bottom case on the ceiling.
- 5 To achieve desired view direction and orientation, rotate 3-axis gimbal. To fix the setting, tighten the tilt stopper screw



- 6 Attach the dome cover to the bottom case.
- **7** Detach the protection film from the dome cover.

5. Installation Using Mount Bolt & Nut



 Pull wires through and make all necessary connections. See the section '6. Cabling' for details.

- Insert the 2 mount bolts into bottom case of camera.
- Insert the mount bolts into template holes after connecting the cables.
- 6 Fix the camera by tightening mount nuts to mount bolts on the ceiling panel.



To achieve desired view direction and orientation, rotate 3-axis gimbal. To fix the setting, tighten the tilt stopper screw.



9 Detach the protection film from the

Able to delete an Active-X which is

installed when accessing to Web

You don't need the function because this

camera use the VLC plugin instead of the

bottom case.

dome cover

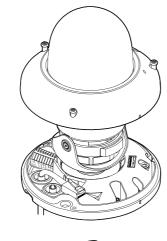
Viewer

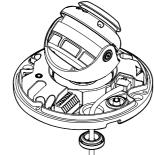
Active-X.

- Disassemble the camera. See the section
 '3. Disassemble the camera' for details.
- 2 Using the template sheet, make the cabling hole on the ceiling panel.
- 8 Change the port as necessary when the network type is set to STATIC.
- A 'Port Forwarding' has to be set for external access to the camera.
- Refer to the manual of the network hub for 'Port Forwarding' settings.
- An additional change of HTTPS, RTSP port can be done at Web Viewer > Admin page.
- Input ID and PW of the camera for authentication.
- Make sure to change the ID and PW for security reason.
- Go to "Web viewer>Setup>System> Users Management" for ID and PW change.
- The ID and PW will be set to default value when 'factory reset' the camera.
- Default ID / PW : admin / admin
- Make sure to click on 'Save' button to save changed values.
- An "Apply" message will be popped-up when the settings are applied normally, or an error message will be popped-up when failed.
- To reboot or reset (except network setting) the camera.
- Select a camera (multiple camera can be selected) > Input ID and PW > Click on Reboot or Factory Reset button.

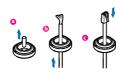
6. Cabling

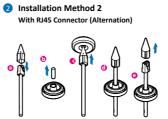
How to connect the Network Cable Refer to the picture below and connect the network cable.





Installation Method 1
 Without RJ45 Connector (Recommended)





- Insert the RJ-45 cap Installer into the Lan cable.
 Remove the Grommet blocking the bottom hole of the camera.
- 3. Pass LAN cable with cap installer through the hole of GROMMET from bottom to top.
- 4. Pay attention to the direction of the Grommet connection when connecting cables.



- Remove the RJ-45 cap Installer before connecting the LAN cable to the camera.
- 6. Connect the Lan Cable to the camera.
- After completing the cable installation, insert Grommet into the bottom case.
- Benting the cable can cause water leakage.

8. Web Viewer Screen



- Web viewer is optimized with explorer 10 or above version and Chrome.
- Live video display. This is the region
- for live video stream from the camera.2 Setup popup button. Click it to open
- the Setup page to setup details of IP camera like Video, Network, Events, System and etc.
 When the image goes unsmoothly because of bad network connection,
- because of bad network connection, it stored image during setup time and shows the image on the live view screen. User will see the delayed images as much as setup time.
- Channel Select button. Select a stream produced from the camera between Stream 1 ~ 3 to display it in the live view screen.
- Refer the 'Setup > Video & Audio > Video' to setup the Video Stream.

I/O Cable Connection

3 Power

Please check the correct rated power.		
Rate Power	Power Consumption	PoE
DC 12V	DC12V : 6.2W PoE : 8.2W	IEEE 802.3af class3

4 Sensor/Alarm Input (DI)

Cable of the sensor/alarm input device should connect to + and - of the Terminal Block.

Alarm Out/Relay Out (DO)

It connects to the alarm lights, siren or lamps and the sensor types are normal open and normal close.

S MIC

Built-in microphone.

6 Audio Out

- Connect the 'Audio Out'port of the camera to the 'Line In' port of the speaker.
- If the speaker without the amplifier is connected to Audio Out port, it doesn't work properly. Therefore, the speaker
 with the amplifier or the separate

 with the ampliner of the separate amplifier is needed.
 Audio Out supports only RTSP Back channel function. It plans to make it available on the web later.

SD Card Slot

Benting the cable can cause water leakage.
 Lan Cable thickness Ø5.0 ~ Ø8.0mm.

DO

DI

Network Connection

crossover cable.

Connect the Straight through or

AUDIO

6

Disposal of Old Appliance



DC12V

8

 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.

- All electrical and electronic products should be disposed of separately form the municipal waste stream in accordance to laws designated by the government or the local authorities.
- 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.

S Below "Menu" is supported in

accordance with models.

PTZ Control
This feature is supported.

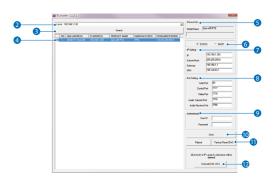
Not supported for fixed lens type cameras.
Speaker Control/Alarm Input/Realy Out
This feature is supported.
Preset
This feature is not supported.

- Motion. It shows the Motion event status.
 Event Alert Icon () appears if 'Motion Detection' is activated.
- 7 Camera Time. Display the camera time.





7. IP Installer



1. Run IP Installer

- Run the IP installer in S/W folder.
- 2 Click on Network Adaptor selection Menu (NIC) after run this program.
- Select a network which a camera is connected then click on a 'Search' button. (Takes about 5 sec.)
- 4 Select a camera to set.
- 5 The information of the selected camera will be shown at Device Info.

Select the network type.
 The default network type of the camera is DHCP mode.
 If you have a DHCP server, it will automatically set the Camera IP.
 If you do not have a DHCP server, Camera IP is set to 192.168.1.80 after one minute.
 Input IP setting information when the network type is set to STATIC.
 Default TCP/IP information

 IP 32.168.1.80
 Subnet Mask: 255.255.255.0

- Gateway: 192.168.1.1
- DNS : 168.126.63.1