

IXEV-2

2M HD IP

Fixed Mini Dome Elevator Camera

User's Manual_Install Part

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

Ver. 1.1

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SPECIFICATION

- 15 Dimension



Intercoax Co., Ltd.

Please visit below website for more detailed information.

Web: <http://www.intercoax.com>

E-mail: info@intercoax.com

Tel: +82. 31. 365. 3133~4

Fax: +82. 31. 365. 3135

Safety Information



CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.



CAUTION :

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



Warning

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



Precaution

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 excessive 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 items, 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. 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.

Precaution

Operating

- Before using, make sure power supply and all other parts are properly connected.
- While operating, if any abnormal condition or malfunction is observed, stop using the camera immediately and contact your dealer.

Handling

- Do not disassemble or tamper with parts inside the camera.
- Do not drop the camera or subject it to shock or vibration as this can damage the camera.
- Clean the clear dome cover with extra care. Scratches and dust can ruin the quality of the camera image.

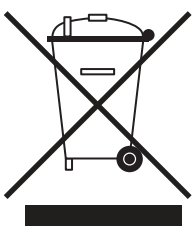
Installation and Storage

- Do not install the camera in areas of extreme temperature, exceeding the allowed range.
- Avoid installing in humid or dusty environments.
- Avoid installing in places where radiation is present.
- Avoid installing in places where there are strong magnetic fields and electric signals.
- Avoid installing in places where the camera would be subject to strong vibrations.
- Never expose the camera to rain or water.

Important Safety Instructions

- 1. Read these instructions.** - All these safety and operating instructions should be read before the product is installed or operated.
- 2. Keep these instructions.** - The safety, operating and use instructions should be retained for future reference.
- 3. Heed all warnings.** - All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow all instructions.** - All operating and use instructions should be followed.
- 5. Do not use this device near water.** - For example: near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement; near a swimming pool; etc.
- 6. Clean only with dry cloth.** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.** - Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product, and to protect it from over-heating. The openings should never be blocked by placing the product on bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's unstructions have been adhere to.
- 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 are 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. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.**
- 13. Unplug this apparatus during lightening storms or when unused for long periods of time.**
- 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.





Disposal of Old Appliances

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.



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.

Specification

FEATURES

Optimized Multiple Profile Streaming
 ROI(Region of Interest)
 Various web plug-in
 Smart AVC
 Advanced built in ISP
 Fluid integration way
 Double Scan sensor with advanced built in ISP

SPECIFICATION

CAMERA	
Image Sensor	1/2.8" 2.1M CMOS
Total Pixels	1945(H) X 1109(V)
Focal Length	2.1mm, F2.3
Field Angle	D : 170°, H : 147°, V : 82° (2.1mm)
Shutter Speed	Auto / Manual (1/15 ~ 1/32000), Anti-Flicker, Slow Shutter (off, 2X, 3X, 5X, 6X, 7.5X, 10X)
MIN. Illumination	2.1mm : 0.07Lux (F2.3)
WDR	WDR (DOL)
DNR	3D-DNR
Privacy Zone	16 Programmable Zone
AGC	Auto
Other Image Processing	Configurable Exposure, White Balance, Sharpness

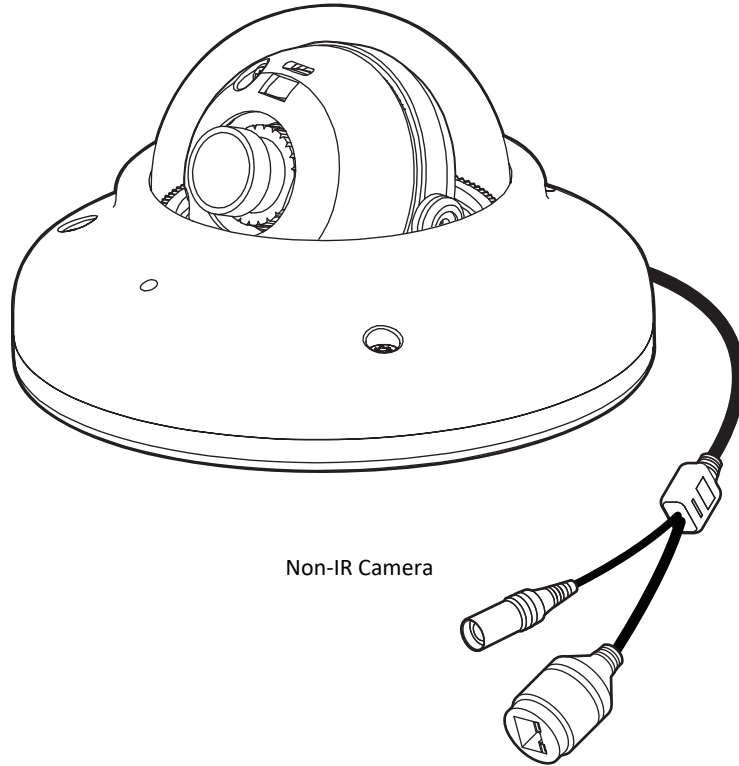
ENCODER(VIDEO&AUDIO)	
Video Compression	H.264, H.265, MJPEG
H.264 Profile	MP/HP
H.265 Profile	MP
Multiple Profile Streaming Performance	1080p30 + D1(704x480 or 704x576) p30 with H.264, H.265 + MJPEG
Video Bitrate	100kbps~10Mbps, Multi-rate for Preview and Recording
Bitrate Control	Multi Streaming CBR/VBR at H.264, H.265 (Controllable frame rate and Bandwidth)
Edge Storage	Micro SD/SDHC/SDXC

I/O & EVENT	
Audio In/Out	1(Mic)/0
Alarm In/Out	N/A
Video Output (2nd Video Out)	N/A
Event Notification	FTP, E-mail, SD card

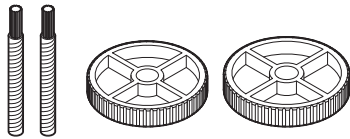
SECURITY & NETWORK	
Network Protocol	IPv4 : TCP/IP / UDP / AutoIP / RTP(UDP/TCP) / RTSP / NTP / HTTP / HTTPS / SSL / DNS / DDNS / DHCP / FTP / SMTP / ICMP / SNMPv1/v2/v3(MIB-2) / ONVIF
Security	HTTPS (SSL), IP filtering, 802.1x, Digest Authentication (ID/PW)
Plug in	CGI API, ONVIF

GENERAL	
Support Languages	English, Japanese, Korean
Power	(Adaptor is not Included) DC12V : Max 3W POE IEEE 802.3af Class2 : Max 4.7W
Temperature	-20°C ~ 50°C
Material	Aluminum Die-casting
Dimensions(DXH)	Ø105 x 61 mm
Weight	0.36kg
Certification	FCC, CE, ROHS, IP66

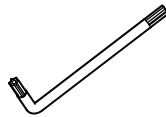
Introduction - Product & Accessories



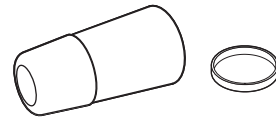
Non-IR Camera



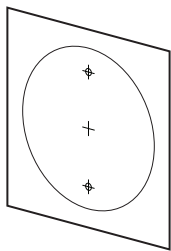
Mount Bolt & Nut



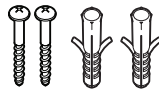
Torx Wrench



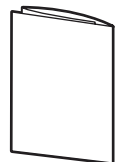
Waterproof cap & Gasket



Template Sheet
for Installing by Bolt & Nut

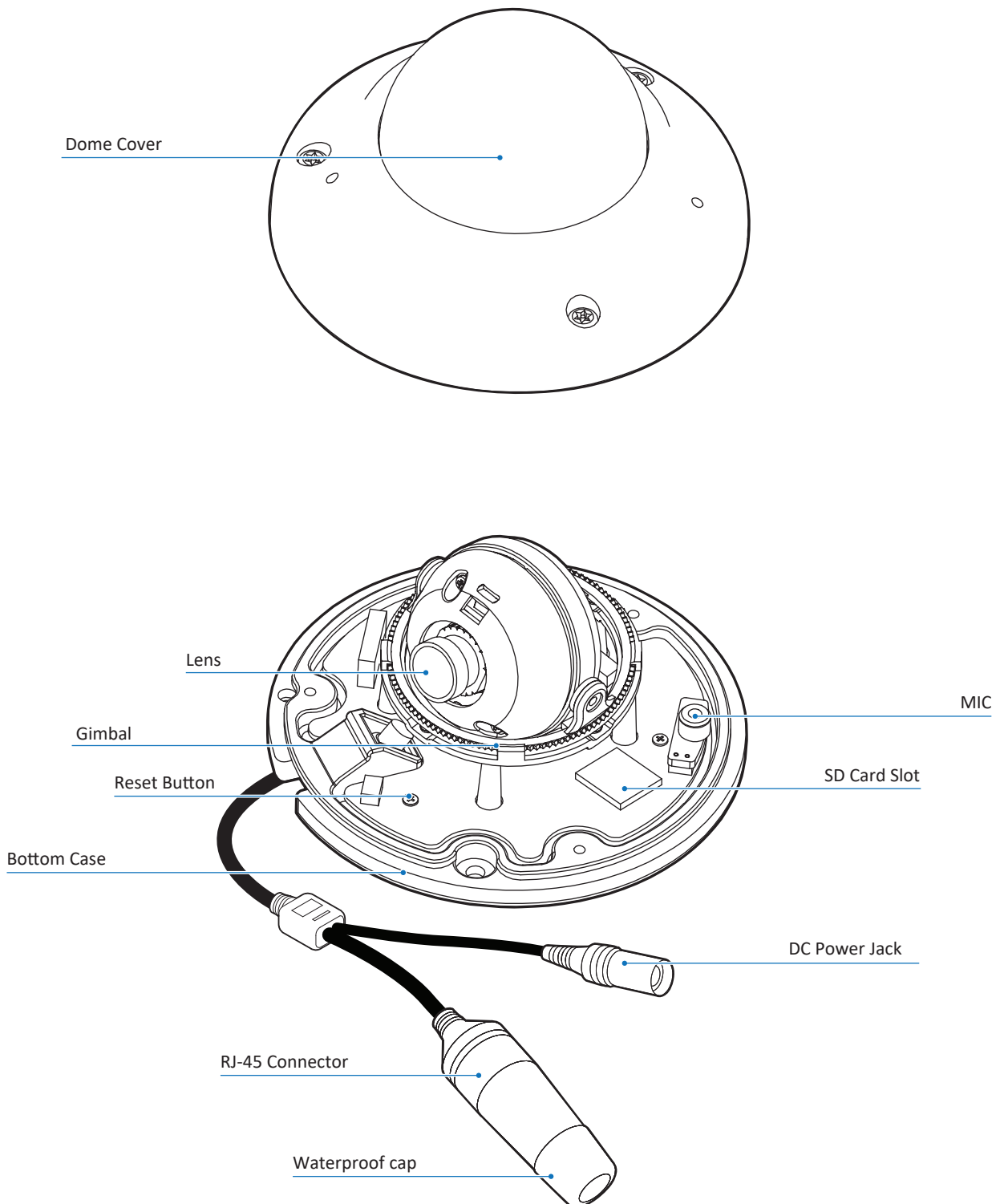


Screw &
Plastic Anchor-2pcs



Quick Manual

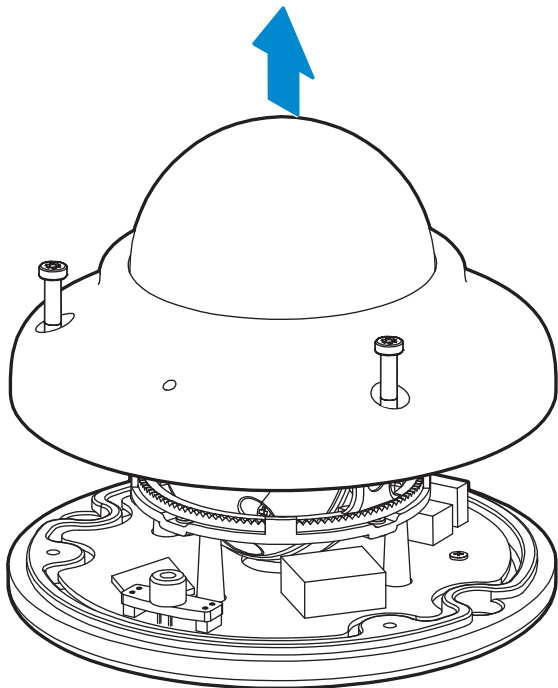
Introduction - Part Name



Installation - Disassemble the camera

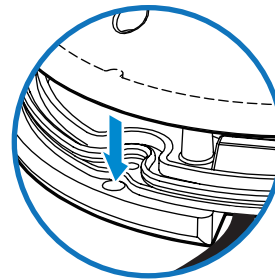
Before installing your camera, you have to read the following cautions.

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 provided from bottom case before installation the camera.

⊠ Match the one screw hole on the dome cover and camera bottom specially.

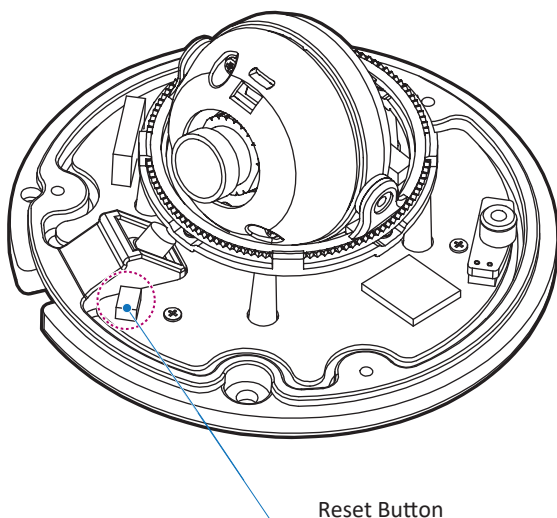


⊠ **Reset to the Factory Default**

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

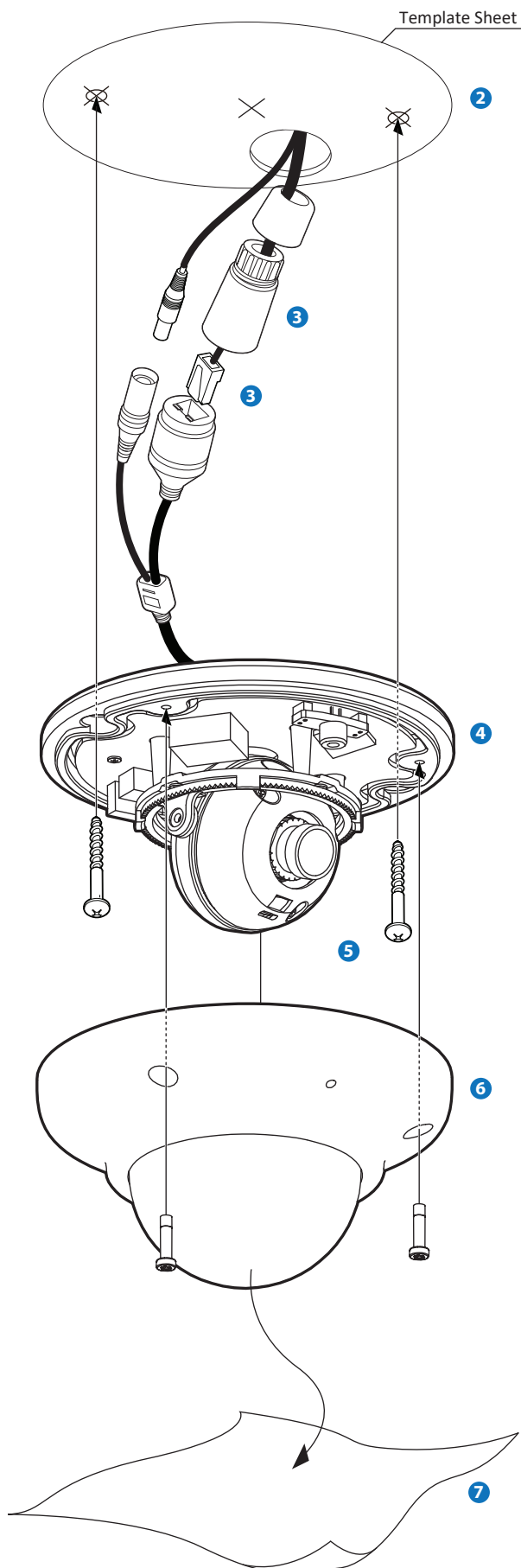
⊠ **Warning:**

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

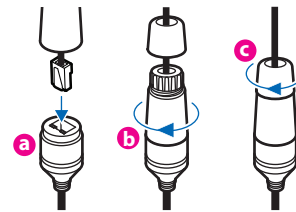


Reset Button

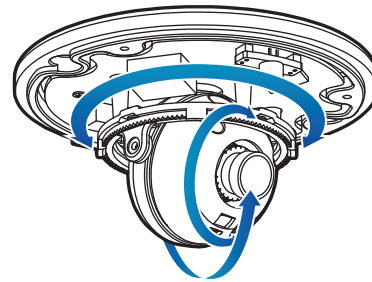
Installation - Installation



- 1 Disassemble the camera. See the section 'Installation - Disassemble the camera' for details.
- 2 Using the template sheet, make the cabling hole on the wall/ceiling.
- 3 Connect the network cable and power cable respectively. See the section 'Installation - Cabling' for details.
 - ☒ Put the Lan cable into (a), then (b) will be assembled to (a) tightly. As a final step, (c) need to be assembled to (b) without making any space.

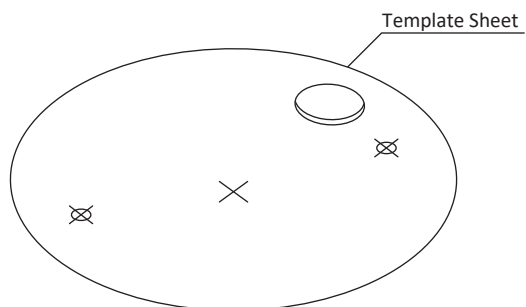


- 4 Once removing the rubber stopper, fix the bottom case on the ceiling.
- 5 To achieve desired view direction and orientation, rotate 3-axis gimbal. To fix the setting, tighten the tilt stopper screw.

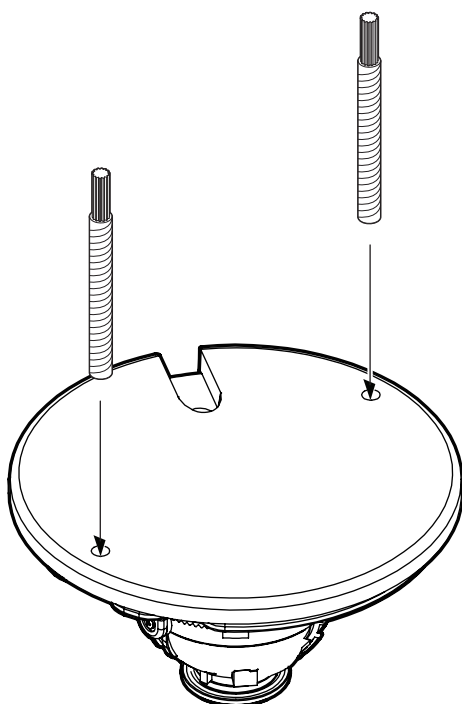


- 6 Attach the dome cover to the bottom case.
- 7 Detach the protection film from the dome cover.

Installation - Installation Using Mount Bolt & Nut

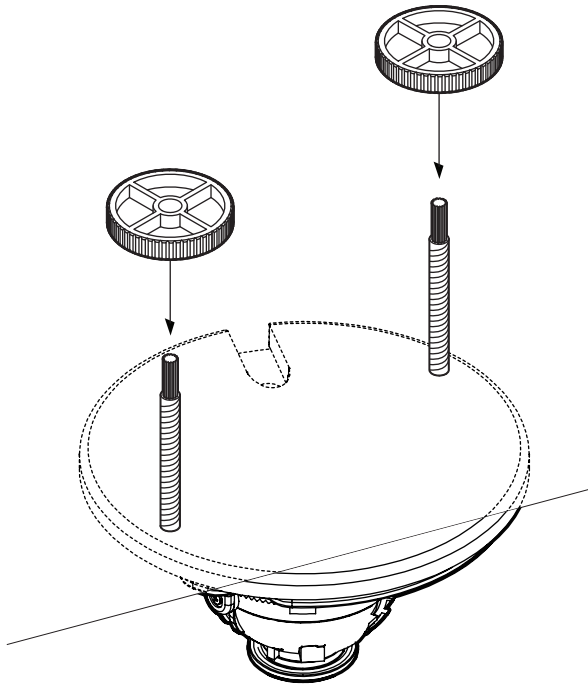


- 1 Disassemble the camera. See the section 'Installation - Disassemble the camera' for details.
- 2 Using the template sheet, make the cabling holes on the ceiling panel.

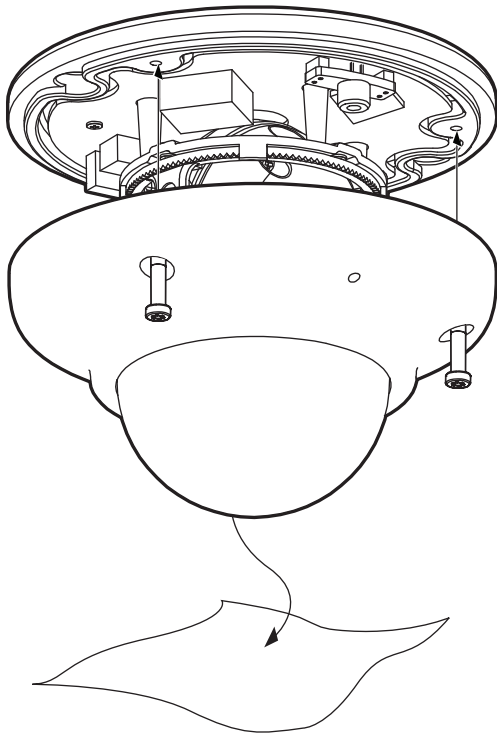
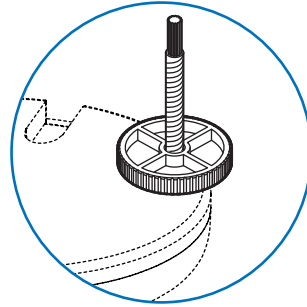


- 3 Insert the 2 mount bolts into bottom case of camera.

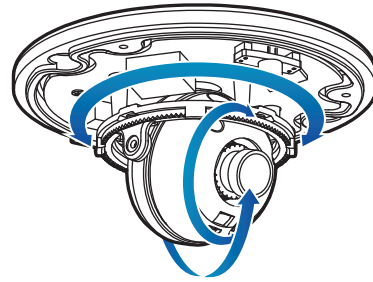
Installation - Installation Using Mount Bolt & Nut



- 4 Insert the mount bolts into template holes after connecting the cable.
- 5 Fix the bottom case by tightening mount nuts to mount bolts on the ceiling panel.



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



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

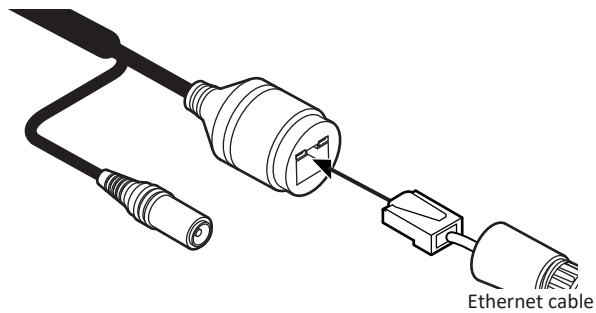
Installation - Cabling

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.

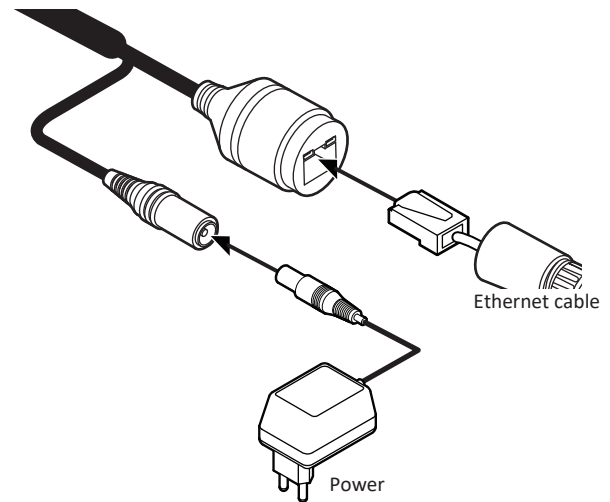
1. Using a PoE-Enabled Switch

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.

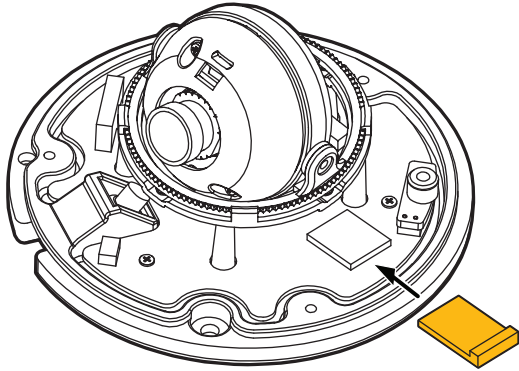


2. Using a Non-PoE Switch

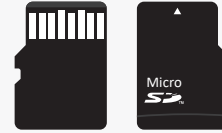
If a PoE-enabled switch is not used, use a power adaptor for power transmission and non-PoE switch for data transmission. Follow the illustrations below to connect the camera without a PoE-enabled Switch.



Installation - Inserting/Removing an SD Memory Card



The memory card is an external data storage device that has been developed to offer an entirely new way to record and share video, audio, and text data using digital devices.



⊠ Recommended SD Card Specification (Not Included)

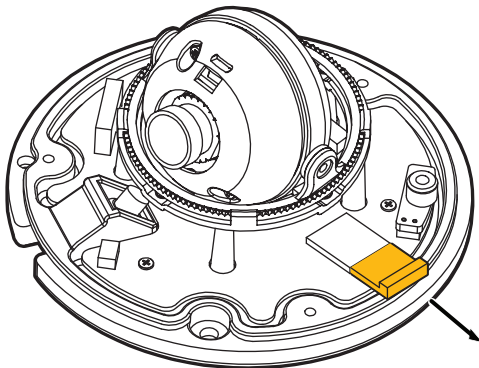
- Type: Micro SD (SD/SDHC/SDXC)
- Manufacturer: SanDisk, Samsung, Transcend, Micron
- Capacity: 4GB~128GB
- Class: UHS-I U3 Class 10

- ⊠ New Micro SD card over 64GB must be formatted on the first use.

1 Inserting an SD Memory Card

Insert the SD card in the arrow direction.

- ⊠ Don't insert the SD memory card while it's upside down by force. Otherwise, it may damage the SD memory card.



2 Removing an SD Memory Card

Removing an SD Memory Card Gently press down on the exposed end of the memory card as shown in the diagram to eject the memory card from the slot.

- ⊠ Pressing too hard on the SD memory card can cause the card to shoot out uncontrollably from the slot when released.
- ⊠ If you have saved data in the SD memory card, removing the SD memory card prior to setting record to OFF will cause damage to the data stored in the card.

Specifications - Dimension

Unit: mm

