

AE-237 Outdoor Enclosure

Installation Guide



Rev. 1.1

Ordering part no.:
900026900G AE-237_V01

Document part no.: 625030701G

CAUTION:
TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT REMOVE COVER.
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

UNPACKING:
Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears damaged in shipment, place it properly in its carton and notify the shipper.

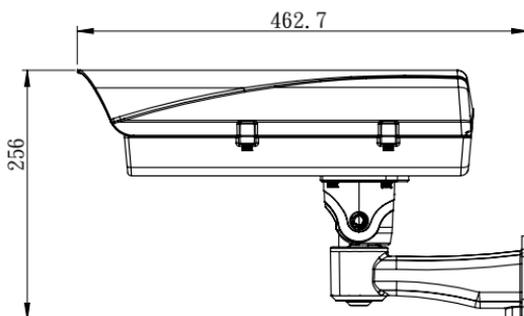
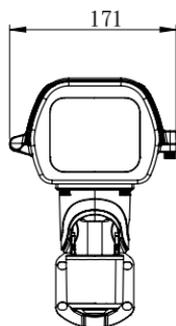
-  **IMPORTANT!:**
1. Read and follow Instructions: All operating and user instructions should be read and followed before the unit is to be operated.
 2. Electrical Connections: Only a qualified electrician is allowed to make electrical connections.

Specifications

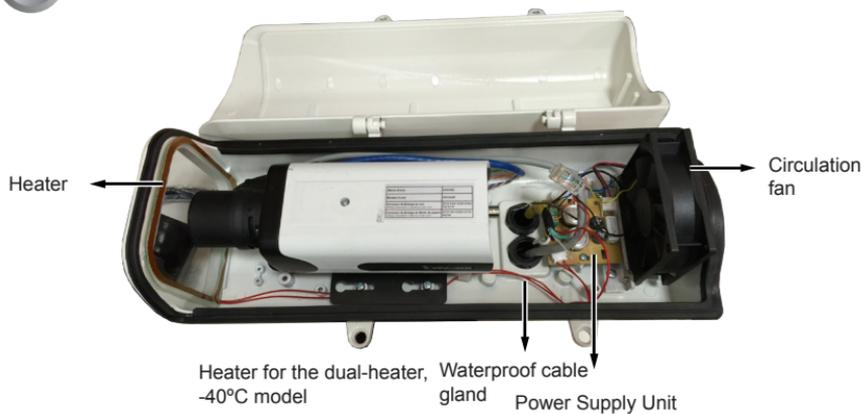
Model Number	AE-237 enclosure
Power Input	24VAC (+/-10%)
Rating Current	3.5 A
Heater Control	15°C (ON) / 25°C (OFF)
Blower Control	35°C (ON) / 25°C (OFF)
Environmental Operation Temp.	AE-237 Single heater: -20°C ~ +50°C When temperature reaches -10°C, camera is powered on)
Protection Level	IP66, IK10
Temper Glass thickness	4mm
Mounting Bracket	Fully-cable Management
Construction	Die-cast Aluminum Alloy
Coating	White epoxy powder coating
Dimensions	400 (L) x 130 (W) x 108 (H) mm
Net Weight	2,800g

II Mounting Configuration & Dimensions

Swivel Positions and Directions



III Component Description



IV Installation Suggestions

If you plan to install this camera enclosure into a tropical, sea coastal, or an environment where salt water or corrosive industrial waste water/moist are present, please seal each stainless steel screws and fittings with a silicon grease compounds. This will help prevent electrolysis to occur and extend the life span of the camera and housing.

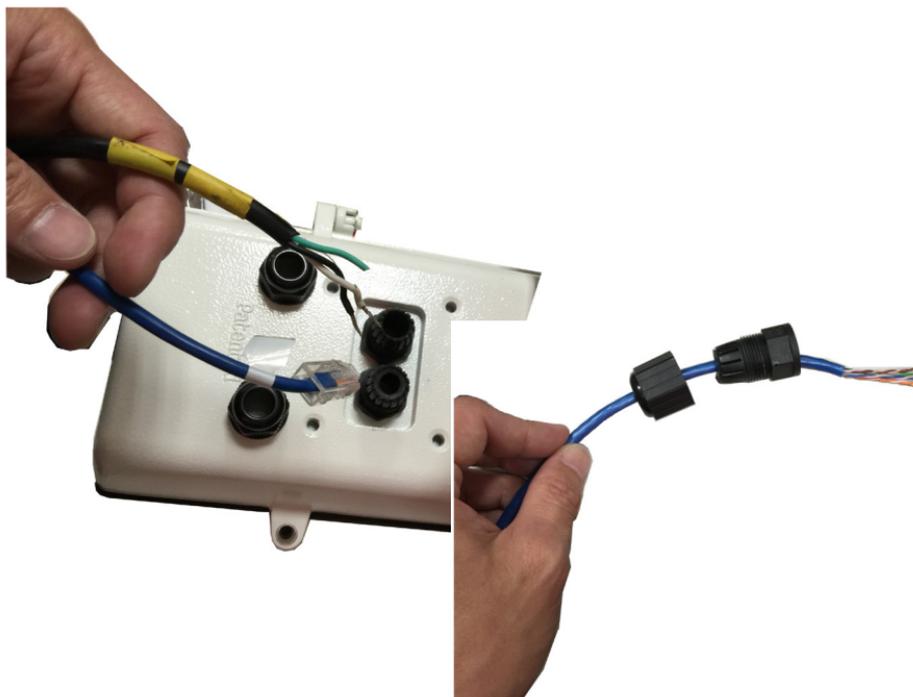


IMPORTANT:

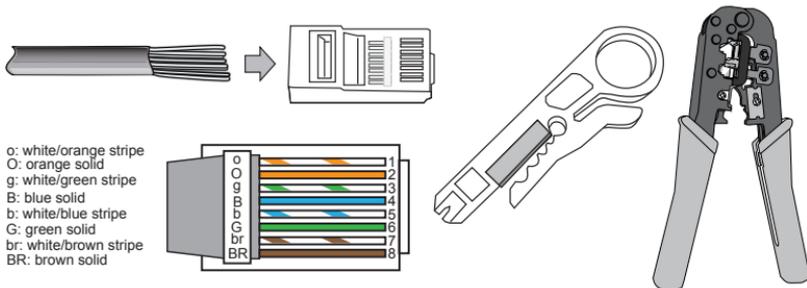
1. Disconnect devices: A readily accessible disconnect device in the building installation wiring should be incorporated.
2. Electrical Connection: Only a qualified electrician is allowed to make electrical connections.

V Installation

1. Prepare the AC24V power wires and a CAT5e Ethernet cable. Pass them through the waterproof connectors.



You may need to remove the RJ45 connector, and use a crimping tool to connect the Ethernet wires to an RJ45 connector inside the enclosure. Use an Ethernet cable of the width of 5 ~ 6.5mm.



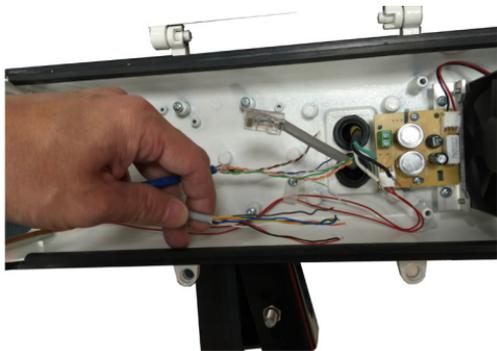
2. When done, tighten up the waterproof connectors.



3. If preferred, you can install external IR lights and route IR light power and signal wires through the two waterproof cable glands in the front. Pass the IR light units' signal wires through the waterproof connectors on the front.



4. Check the inside of the enclosure to make sure the I/O wires can reach the power supply unit inside. An approximate of 20cm cable length is required. Install and tighten up the waterproof connectors.



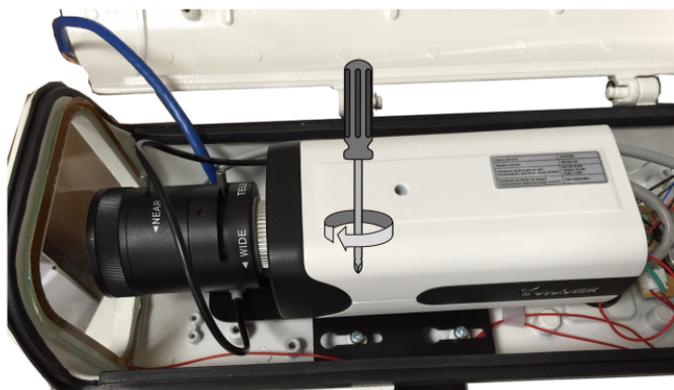
5. Assemble the camera components, e.g., the CS ring and lens module. If using the IP816A-HP camera, align the buffer pad with the mounting hole at the bottom of the camera (the label side).



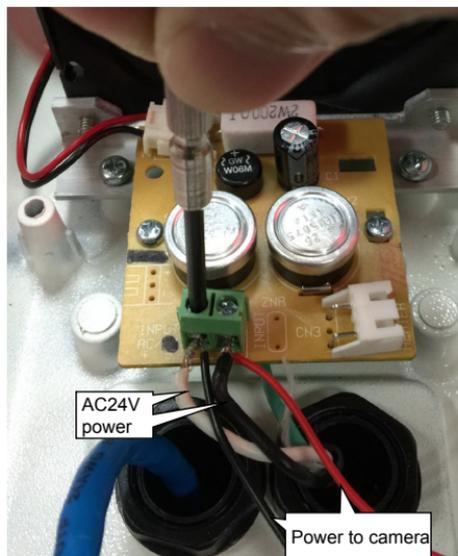
6. Place the mounting plate on top of the buffer pad and then secure it to the camera. You may need adjust its position so that the lens module can flush align with the tempered glass.



7. Secure the camera to the enclosure by securing screws through the keyhole slots.



8. Attach the AC24V power wires and power inputs from the IR light units to the terminal connector. Connect the power wires from IR units to the terminal. Since AC 24V is polarity free, Connect AC 24V from outer source, 24V inputs for IR (2 pairs), and 24V inputs for camera, all to the same terminal connector.



9. Prepare two power lines as the 24V inputs for the camera. Connect the input lines from the enclosure's terminal to that on the camera. The camera can also be powered by PoE.



10. Having the wiring done inside the enclosure, you can install the enclosure bracket to a preferred location at your installation site. Drill mounting holes and a cable routing hole (if preferred) on a wall. Install the bracket.



11. Lift the whole enclosure up to the installation position, and pass the 24V power wire and the Ethernet cables through the bracket.



12. Mount the enclosure on to the installed bracket, and secure the connection by tightening the 4 socket screws. Due to the weight of the enclosure, it is best to have two men mounting the enclosure.



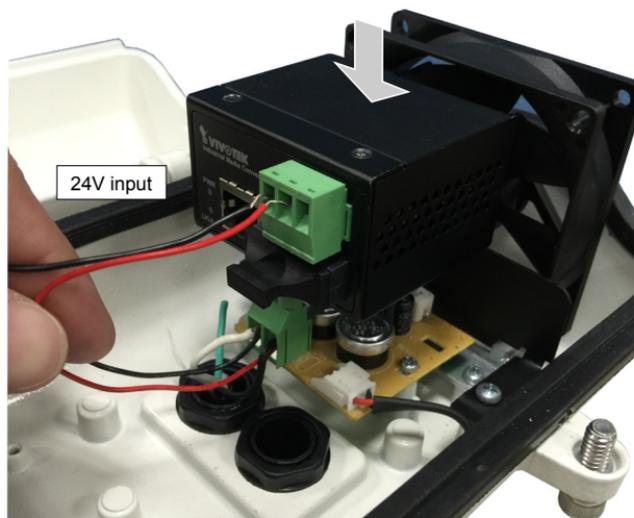
13. Adjust zoom and focus and open a web session with the camera to tune for the best image. When zoom and focus is done, Close the top cover and fasten the top cover screws.



14. Optional Installation: Ethernet-to-fiber optic converter

The fiber converter comes with a DIN-rail bracket. Install the converter module to the metal bracket simply by sliding it into place.

Connect two power wires to the AC terminal block. Since AC 24V is polarity free, connect AC 24V from outer source and 24V input for the module, all to the same terminal connector.



Remove the dust plug, and connect the SC type connectors of the fiber cable to the connector on the module. Connect an Ethernet cable between the module and the camera. You should pass the fiber cables through the waterproof cable gland to avoid moisture.



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