

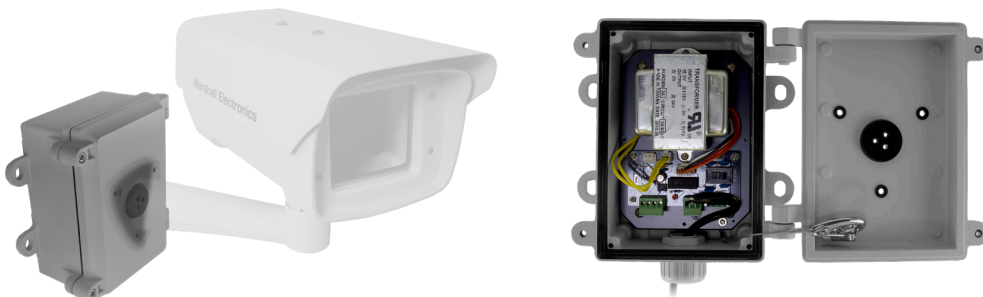
CV-H20-HFL

Compact Weatherproof Camera Housing
with Fan & Heater



User Manual

Optional Weather Proof Power Supply **CV-H20-PWR***



*To avoid the risk of hazard, the CV-H20-PWR is strongly recommended for use with this product.








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Safe Use of Equipment

CAUTION

 	<p>WARNING</p> <p>To reduce the risks of an electric shock, do not expose inside of this unit to rain or moisture.</p> <p>Installation on a rainy day may also cause fog around the capsule.</p>
	<p>Installation</p> <p>Installation shall be done by qualified installer only and should conform to all local codes.</p>
	<p>Ensuring strength of supporting Housing Unit</p> <p>The unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Recommend using 3/8" stainless screws x four (4).</p>
	<p>Prohibit changes or modifications of equipment</p> <p>You are cautioned that any changes or modifications not expressly approved in these instructions could void your authority to operate this equipment.</p>
	<p>Basic Operating Environment Condition</p> <p>We provide warranty for the products that are installed under normal outdoor -20°C ~ +50°C conditions. We are unable to provide warranty for the products which are installed indoors and exposed to constant high temperature over +50°C and over 90% humidity.</p> <p>Operating temperature and humidity of camera varies from camera to camera. You are requested to conform to camera specifications with camera manufacturer and housing specifications in advance.</p> <p>i.e. -20°C or below, you are requested to use additional heater and +50°C or above you are requested to use two blowers and Sunshield.</p>
	<p>Fasten wires tightly.</p> <p>Attention:</p> <p>Keep wires away from the Fan / Heater, and do not disturb Fan/Heater's performance.</p>

CV-H20-HFL Installation



WARNING

The unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of unit. Using stainless screws is recommended.

Box camera outdoor housing



AC24V Fan+heater



Cables

L704P-2.0



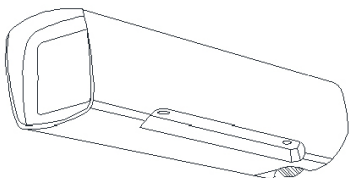
Power cable to camera (2.0mm DC Plug)

L704P-1.0

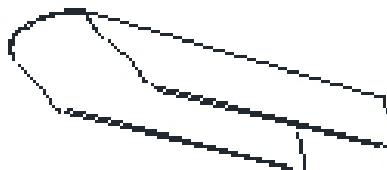


Power cable to camera (2.0mm DC Plug)

Component Parts for Assembly



Box Camera Housing



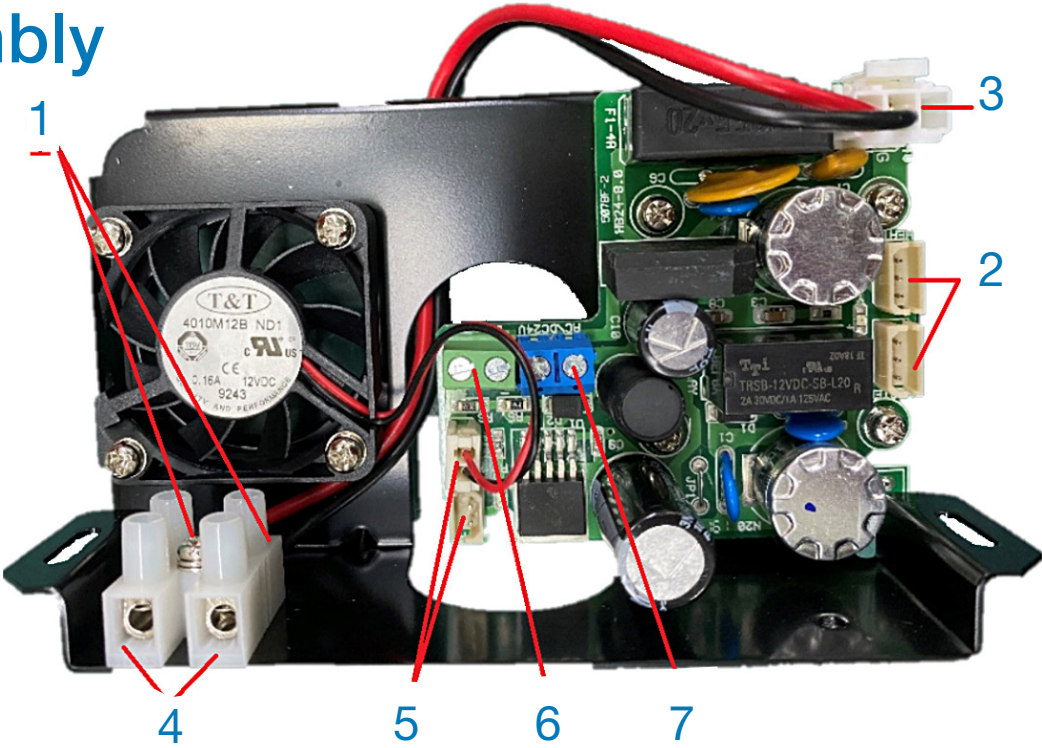
Sun Shield







1/4" screws, washer, spring washer

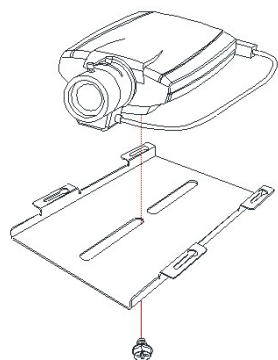
Cable Assembly

- 1. AC 24V OUT
(Internal cable connected)
- 2. AC 24V HEATER
- 3. AC 24V IN
(Internal cable connected)
- 4. AC 24V POWER IN
- 5. DC 12V FAN
- 6. DC 12V OUT
- 7. AC 24V OUT



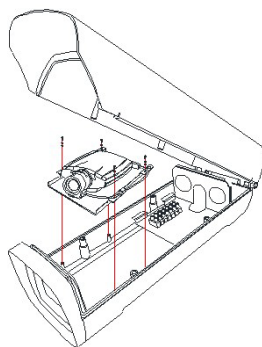
<p>L704P-2.0 or L704P-1.0</p>	<p>AC 24V Wire Terminal Connector to Camera</p> <p>AC 24V Out L704P-2.0 : Red (+) Black (-) L704P-1.0 : White (+) Black (-)</p>  <p>AC 24V To Camera (Wire Terminal Connector)</p>
<p>L704P-2.0 or L704P-1.0</p>	<p>DC 12V Wire Terminal Connector to Camera</p> <p>DC 12V Out L704P-2.0 : Red (+) Black (-) L704P-1.0 : White (+) Black (-)</p>  <p>DC 12V To Camera (Wire Terminal Connector)</p>
<p>L704P-2.0</p>	<p>DC 12V 2.0 mm Plug to Camera</p> <p>DC 12V Out Red (+) Black (-)</p>  <p>DC 12V To Camera (2.0 mm DC Plug)</p>
<p>L704P-1.0</p>	<p>DC 12V 1.0 mm Plug to Camera</p> <p>DC 12V Out White (+) Black (-)</p>  <p>DC 12V To Camera (1.0 mm DC Plug)</p>

Camera/ Wall Mount Bracket Assembly



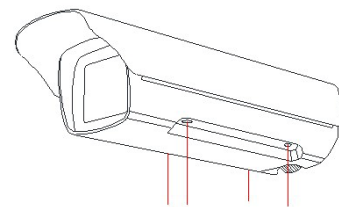
2-1

Screws camera on front mounting board with 1/4 screws



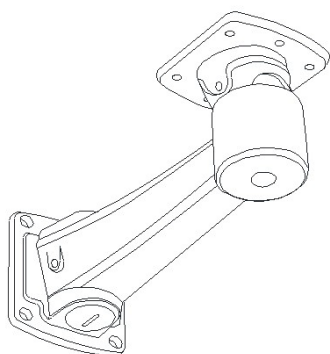
2-2

Screws camera and front mounting board on the box camera housing with 3x8 double washer screws. (3x8 double washer screws are already fixed on housing prior)



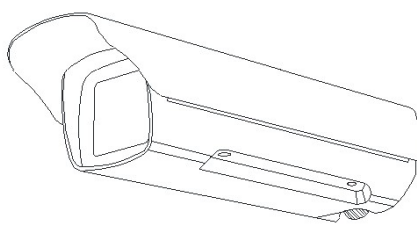
2-3

After internal wiring is completed, put on the box camera housing and tighten up the covert 5x27 button head cap screw



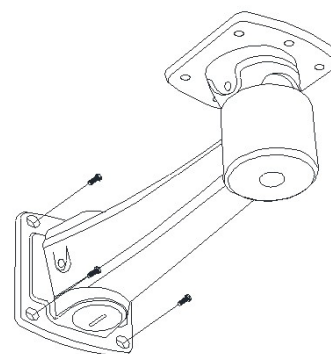
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Wall mount bracket



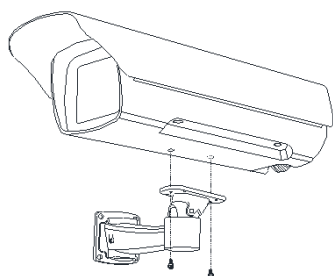
2-5

box camera outdoor housing



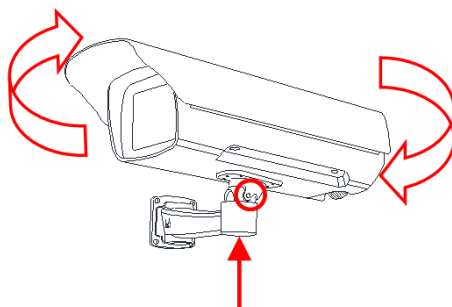
2-6

Fix Wall mount bracket on wall



2-7

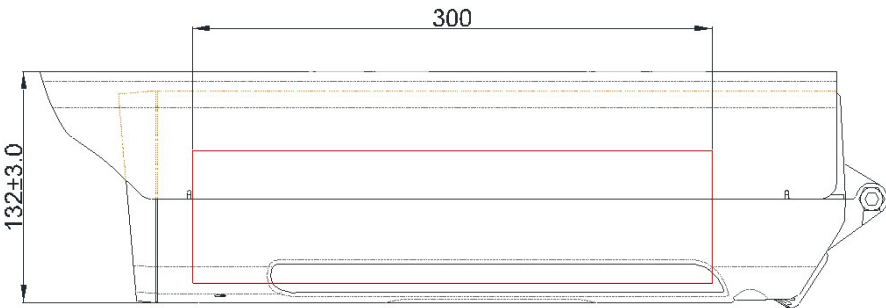
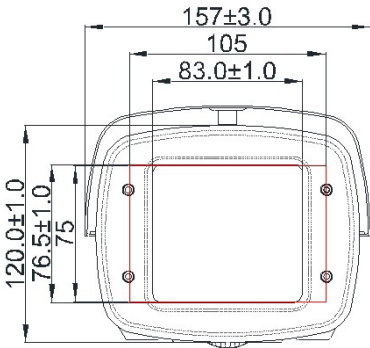
Through the rubber gasket, tighten up the bottom of the housing with the 1/4"x5/8" hex socket flat head cap screws



2-8

Adjust camera angle and tighten up the screws where indicated with an Allen key

Dimensions

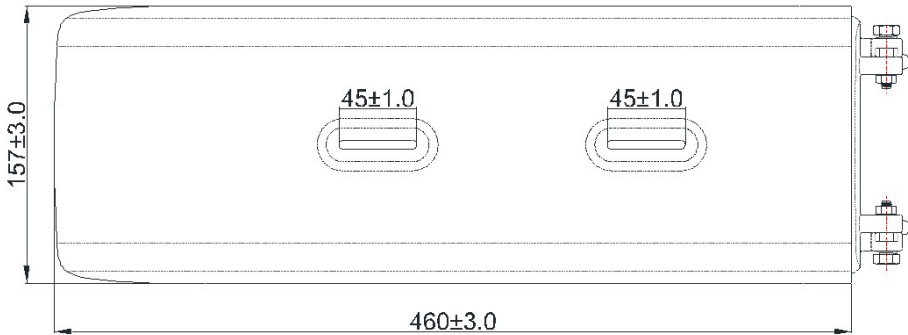


3-1

Front view of the camera outdoor housing dimensions

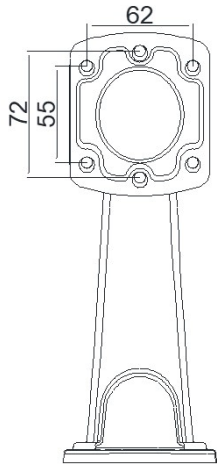
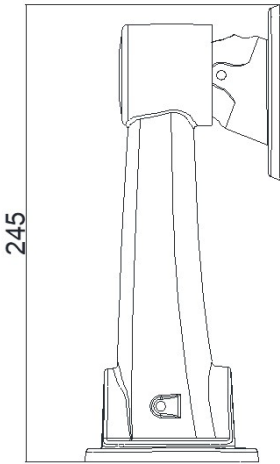
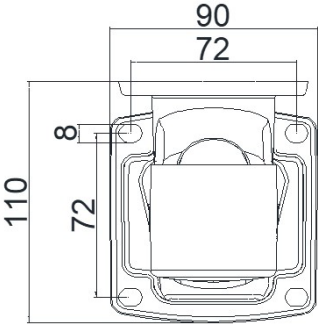
3-2

Side view of the camera outdoor housing dimensions



3-3

Top view of the camera outdoor housing dimensions



3-4

Joint of Wall mount bracket dimensions

3-5

Side view of Wall Mount Bracket dimensions

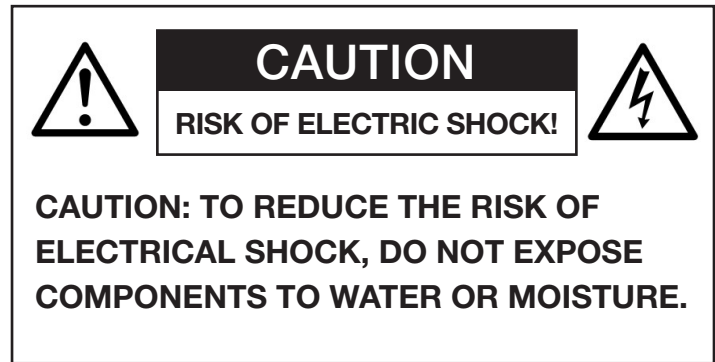
3-6

Front view of Wall Mount Bracket dimensions

IMPORTANT SAFEGUARDS

1. **Read Instructions** – All the safety and operating instructions should be read before operating the unit.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating user instructions should be followed.
5. **Electrical Connections** – Only a qualified electrician should make the electrical connections.
6. **Attachments** – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** – All cable runs must be within permissible distance.
8. **Mounting** – This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
 - a. The installation should be made by qualified installer.
 - b. The installation should be in compliance with local codes.
 - c. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

SAFETY PRECAUTIONS



The lightning flash with an arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

UNPACKING

Unpack carefully. Electric components can be damaged if improperly handled or dropped. If any of the products appears to have been damaged during the shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment
2. The Installation and Operating Instructions.