

IBC-667IR  
Network Bullet Camera

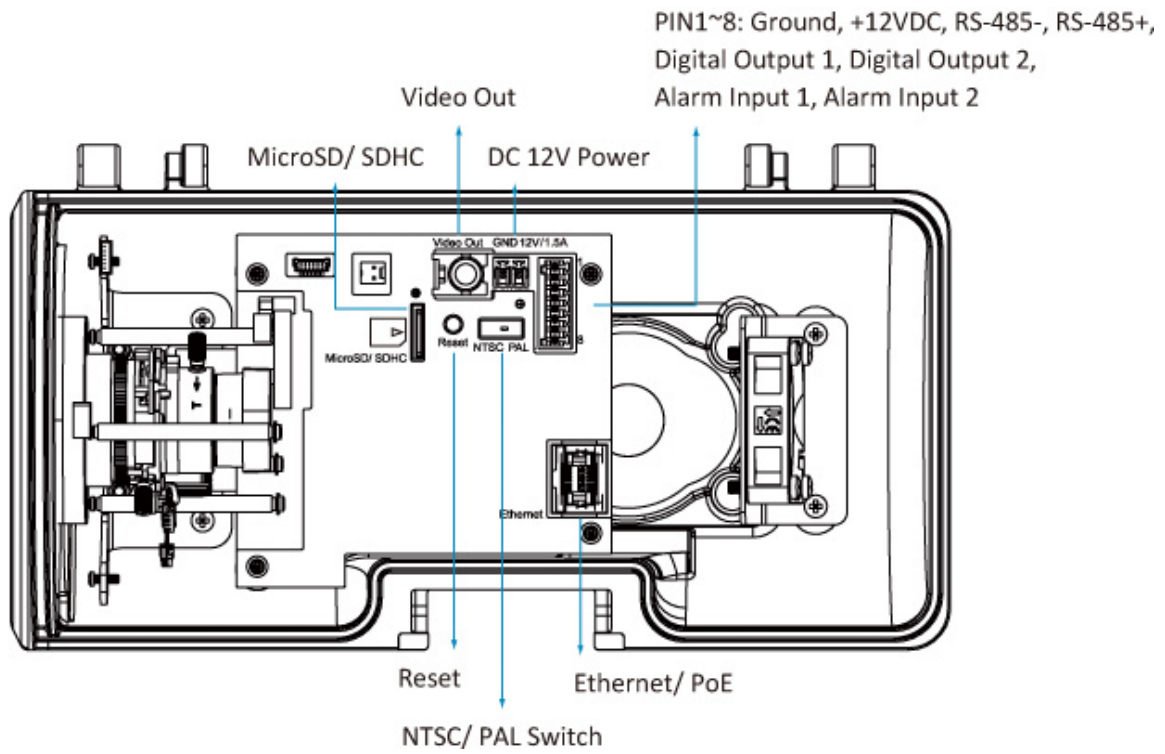
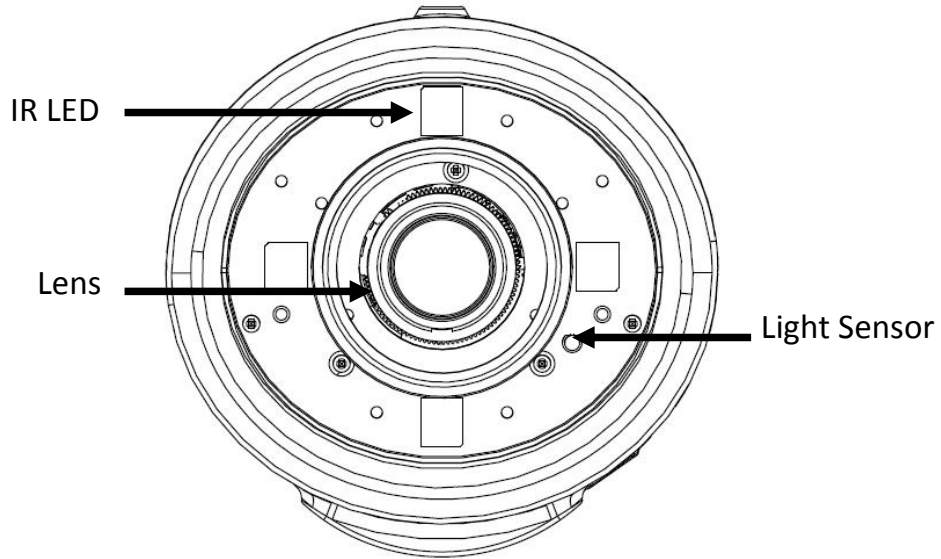
**Hardware Installation Guide**



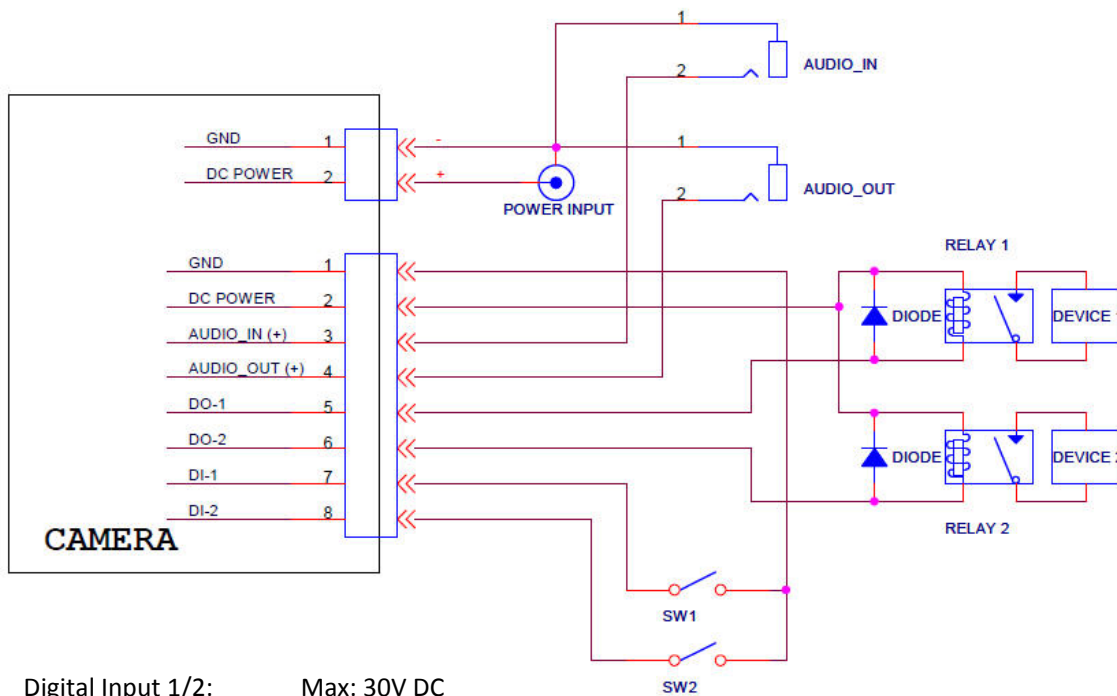
## Package Contents

<b>Camera</b>	Network Bullet Camera
<b>Quick Installation Guide</b>	Brief product information and quick installation
<b>Software CD</b>	IP Surveillance Software Intelligent IP Installer User Manuals Language Packs
<b>Accessories</b>	<ul style="list-style-type: none"><li>- Wall mount bracket &amp; U-shape bracket</li><li>- Metal plate for wall mount bracket</li><li>- Alignment Sticker</li><li>- Waterproof Connector</li><li>- Screw pack for sun shield &amp; burglarproof screw</li><li>- Screw pack for wall and ceiling mounting</li><li>- Silica gel</li><li>- Foam tape</li><li>- 2 pin terminal blocks for power</li><li>- 8 pin terminal blocks for DI/DO</li></ul>

# Hardware Description



## I/O Terminal Block Circuit



Digital Input 1/2: Max: 30V DC  
 Digital Output 1/2: Max: 24V / 100mA

## I/O Terminal Block Pin Definition

PIN	Definition	Description	Max. V/A
1	Ground		-
2	+ 12V DC		12V DC 1.2W
3	AUDIO_In(+)	Unbalanced, 1.4Vp-p, 1Vrms, terminal block	-
4	AUDIO_Out(+)	Unbalanced, 1.4Vp-p, 1Vrms, terminal block	-
5	Digital Output 1	Uses an NPN transistor with the emitter connected to the GND pin. If used with an external relay, a diode must be connected in parallel with the load for protection against voltage transients.	100 mA 24V
6	Digital Output 2	Uses an NPN transistor with the emitter connected to the GND pin. If used with an external relay, a diode must be connected in parallel with the load for protection against voltage transients.	100mA 24V
7	Digital Input 1	Connected to GND to activate, or leave floating (or unconnected) to deactivate.	30V DC
8	Digital Input 2	Connected to GND to activate, or leave floating (or unconnected) to deactivate.	30V DC

## LED Indicators

LED	Color	Indication
Network	Green	Active network link
	Orange	Flashing indicates network activity
Power	Red	Steady red during boot-up process
	Blue	Steady blue when boot sequence has been completed
	Unlit	When the reset button was pressed for at least 5 sec. and camera is restarting,
Micro SD / SDHC	Orange	Steady orange means SD card ready
		Flashes orange while accessing SD card

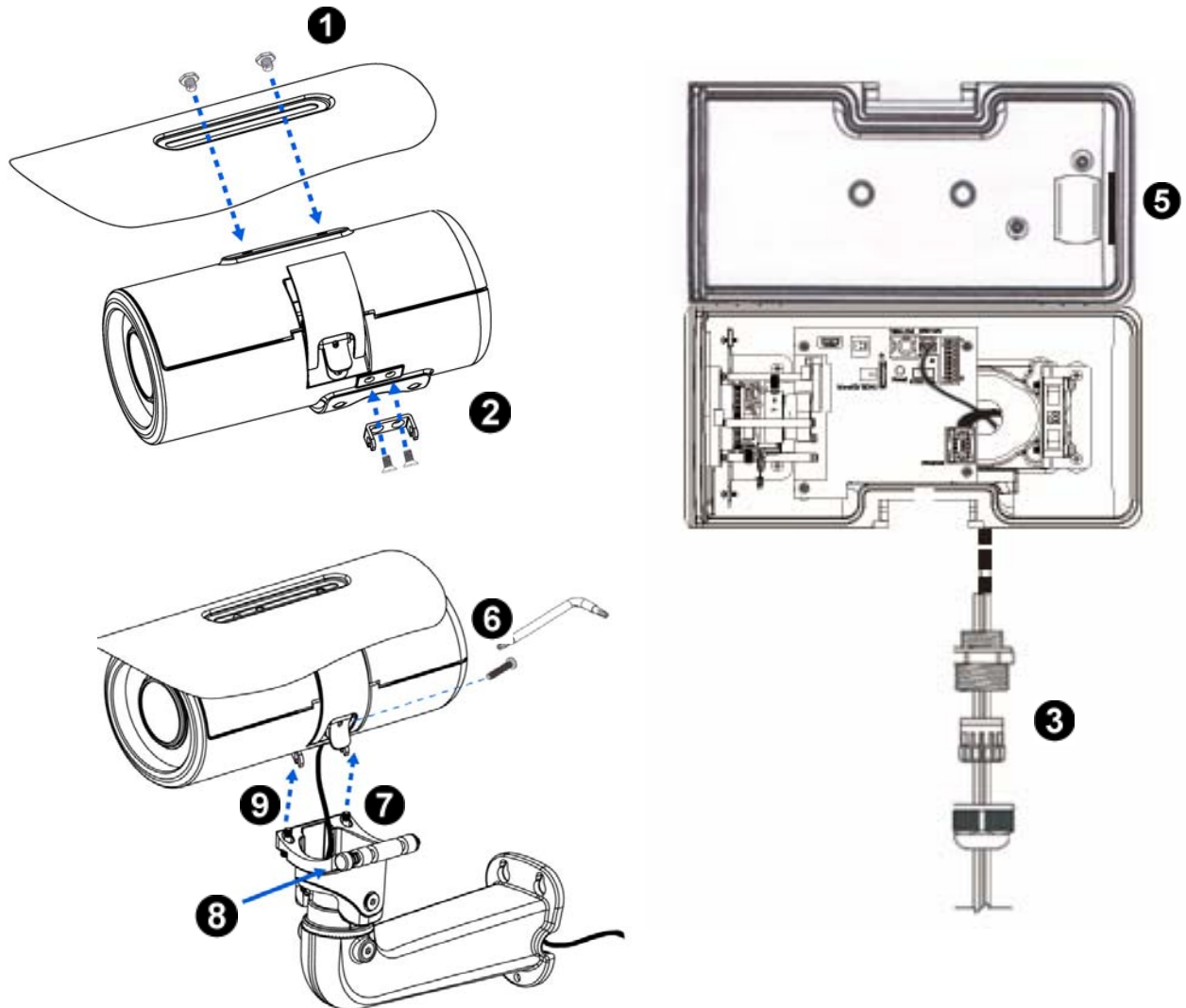
## Power Mode

PoE Mode	Power Requirement	PoE (IEEE802.3af) with Class 3 <i>Note: While IR on, Heater and Fan will be disabled.</i>
	Power Consumption	3.59 W, without IR/Heater/Fan 7.9 W, with max. IR on.
Adaptor Mode	Power Requirement	12V/1.5A Adaptor <i>Note: While IR on, Heater or Fan would be activated automatically.</i>
	Power Consumption	3.58 W, without IR/Heater/Fan 7.9 W, with max. IR on 9.6 W, with max. IR on / Heater on 8.87 W, with max. IR on / Heater Fan

**Note:** Heater will be activated while the inner temperature drops under 5C and fan over 50C.

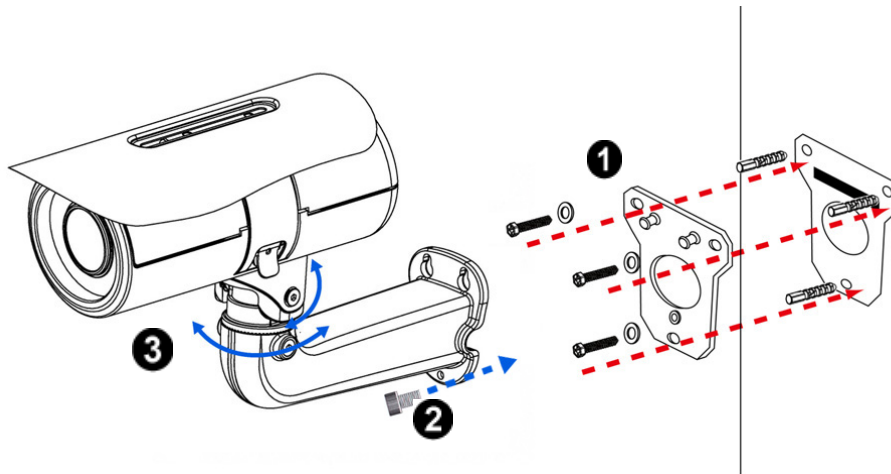
## Installing the hardware

- 1) Assembling sun shield and camera with two supplied screws(M3\*6).
- 2) Fix U-shape bracket to the bottom of camera with supplied screws.
- 3) Insert all cables (RJ45/power cord/DIDO) into waterproof connector (M25\*1.5).
- 4) Open the front cover and feed all cables through the screw hole of bottom cover from outside. Connect them to sockets. Then secure the connector tightly.
- 5) Attach the foam tape and silica gel. (Please change a new silica gel if open the top cover afterwards.)
- 6) Lock the front cover. Then secure the burglarproof screw.
- 7) Feed all cables through the front opening of wall mount bracket.
- 8) Push the spring mortise of wall mount bracket. Then hook the U-shape bracket onto the groove of the former.
- 9) Secure the two screws of wall mount bracket on the other side.

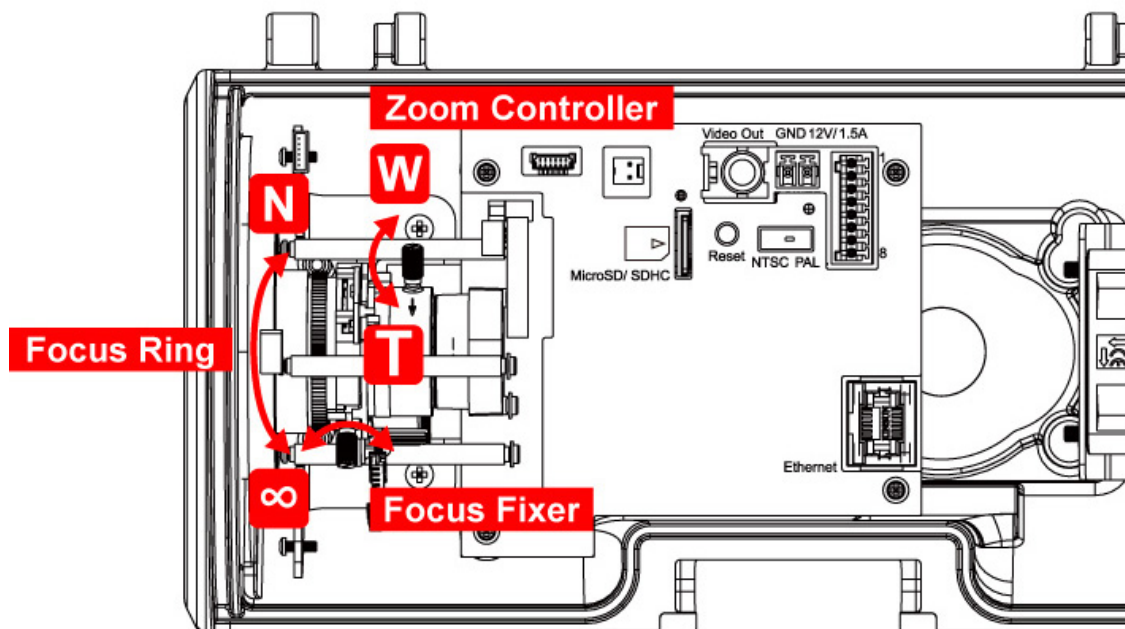


## Wall and Ceiling mounting

- 1) Attached the alignment sticker to the wall. Drill four holes into the wall. Three holes are for the screws to affix the bracket to the wall, and one larger hole for the cable. Push the supplied plastic anchors into the screw holes and secure the plate with the supplied screws (T1/4" \* 32).
- 2) Fix the wall mount bracket to the plate with the supplier screws.
- 3) Position the camera angle by adjusting the pan and tilt.



## Lens Focusing



## Factory Reset

**Reset:** With the camera turned on, press the reset button briefly to reboot the camera, or hold the reset button for 10 seconds to set all settings back to factory default values.

### 1. Connect the camera via PoE

Using a standard RJ-45 network cable, connect the bullet camera to an IEEE802.3af/at compliant PoE switch or PoE injector.



### 2. Connect the camera without PoE

1. Connect the power adaptor to the dome camera
2. Using a standard RJ-45 network cable, connect the camera to a normal Ethernet Switch or Router



### 3. Software Installation

Insert the Installation CD into a CD or DVD drive and follow the instructions given by the Quick Installation Guide.





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