


OPERATING INSTRUCTIONS




**3-AXIS GIMBAL VARI-FOCAL
IR DAY & NIGHT
INDOOR DOME CAMERA**

Before installing and using the camera, please read the instructions thoroughly and retain them for reference.

Caution



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.



This symbol is intended to alert the user to the presence of noninsulated "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 the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Warning

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

To avoid electrical shock, do not open the cabinet.

Refer servicing to qualified personnel only.

Wiring methods shall be in accordance with the National Electric Code.

This product is manufactured to comply with the CE and FCC Certificate standard

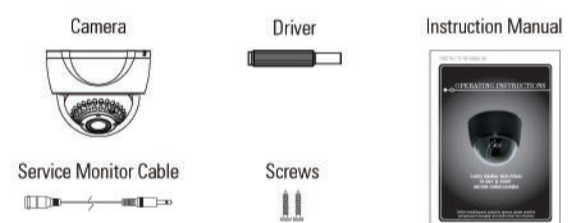


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Composition

Confirm that the following parts are included:



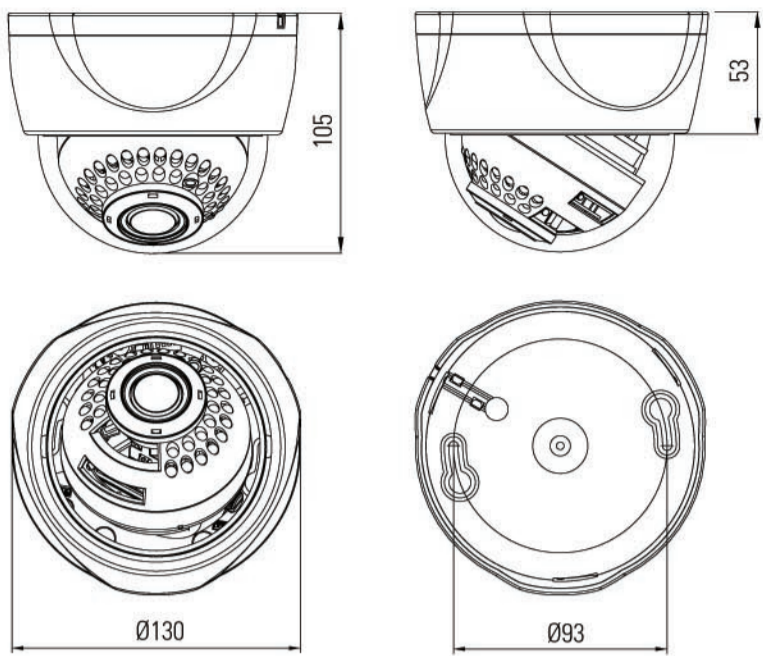
Explanation for accessorise

- Screw – Attaching the dome base firmly on the wall or ceiling
- Driver – Locking the pan screw of the gimbal bracket to allow the adjustment of pan angle.
- Service monitor cable – Monitoring the display screen through portable monitor to adjust the camera

Features

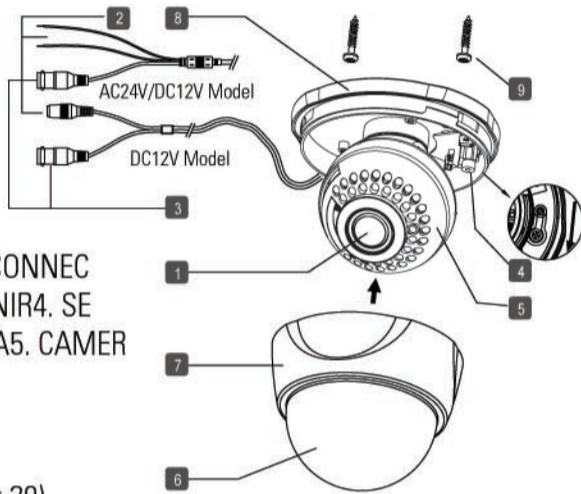
- Sony 1/3" Super HAD High-resolution Color CCD -
- Option: EXview HAD CCD
- 3.8~9.5mm Vari-Focal, DC Auto Iris F1.2 Day&Night Lens
- Color & B/W Auto switchable by photocell
- Auto switching IR-LED control(36pcs LEDs)
- Function selection Dip switch built-in
- Day&Night switching time, FLK, BLC, AWB
- DC Iris level adjustment volume built-in
- Easy adjustment of Focal Length & Focus
- Service monitor (second video) port built-in
- 3-Axis Gimbal bracket(2-Pan, 1-Tilt)
- Power: AC24V/DC12V or DC12V
- Surface mount indoor dome housing

Dimension (Unit : mm)



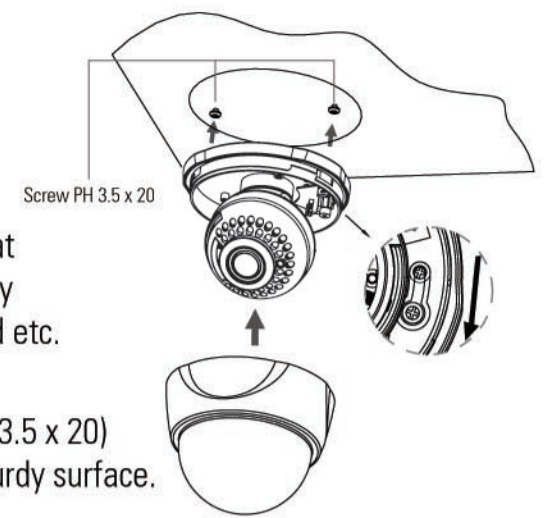
Parts Name and Description

1. LENS
2. POWER INPUT TERMINAL
AC24V / DC12V or DC12V
3. OR-BNCT3. VIDEO OUTPUT CONNECTOR
4. OR OUTPUT PORT TWICE MONITOR
5. BRACKET MODULE GIMBAL
6. BUBBLE
7. DOME COVER RING
8. DOME BASE
9. MOUNTING SCREW (PH 3.5 x 20)

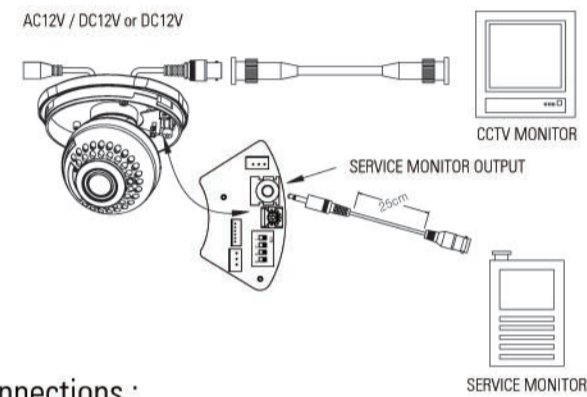


Base Installation

1. Open the dome by turning the dome cover ring from the dome base fitting.
2. There are two mounting holes on the dome base so that users can install the unit in any place such as ceiling, wall and etc.
3. Use two mounting screws (PH 3.5 x 20) to affix the dome base to a sturdy surface.



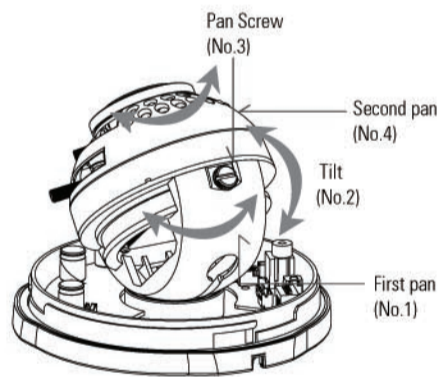
Connection



- Power connections :
Requires DC12V or AC24V input depending on camera model.
- All camera models are supplied with second video output on the camera module.
To use this feature along with a service monitor, second monitor cable/connector is needed.

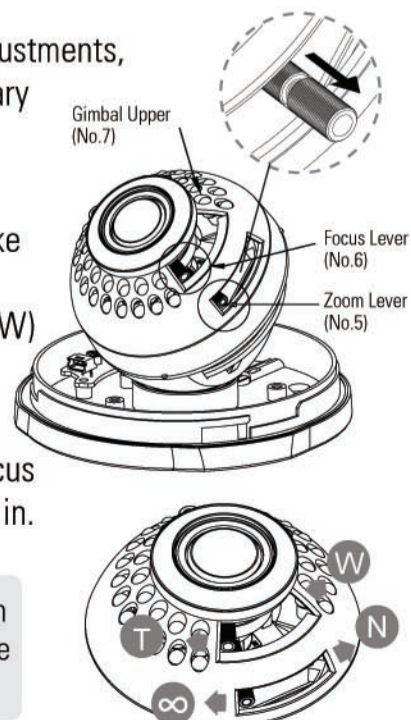
3-Axis Gimbal Adjustment

1. First Pan : Adjust the first pan angle by turning the gimbal 360° degree. (see figure No.1)
2. Tilt : Adjust the tilt angle by moving the gimbal up and down. (see figure No.2)
3. Second Pan : Loosen the pan screw (No.3) to adjust the pan to desired angle and fix the screw. (see figure No.4)



Zoom & Focus Adjustment

1. If you require to make focal/focus adjustments, Pull the outer lever and make necessary adjustments.
2. Loosen Zoom & Focus Levers and make the viewing angle/focus as shown.
 - Field of View : Telephoto(T) to Wide(W)
 - Focus : Near(N) to Infinity(∞)
3. After the adjustments, fix Zoom & Focus Levers and push the outer lever back in.



Caution! Unless the outer levers push back in properly, it touches inside the bubble and causes scratch.

Specifications

ITEM	NTSC	PAL
Image Sensor	1/3" Interline transfer type color CCD (Sony)	
Effective Pixels	768H x 494V (380K pixels)	752H x 582V (440K pixels)
Scanning System	525 Lines 2:1 Interlace	625 Lines 2:1 Interlace
Scanning Frequency	15.734KHz(H), 59.94Hz(V)	15.625KHz(H), 50Hz(V)
Resolution	Automatic with Manual Override	
Shutter Speed	1/60sec	1/50sec
S/N Ratio	More than 48dB (AGC OFF)	
Sync. System	Internal	
White Balance	ATW / AWC selectable	
Min. Illumination	0Lux with IR-LED(36pcs)	
Lens	F=3.8~9.5mm Vari-Focal, DC Auto Iris F1.2 Day&Night Lens	
Video Output	VBS 1.0Vp-p(75Ω Load)	
Power Supply(*)	AC24V/DC12V ±10%, DC12V ±10%	
Power Consumption	Adjustable Level	Normal: 180mA, Max.: 480mA/DC12V(IR LED On)
	AC24V/DC12V Model	Normal: 6.5VA, Max.: 12VA/AC24V(IR LED On) Normal: 260mA, Max.: 650mA/DC12V(IR LED On)
Operating Temp	-10°C ~ +50°C	
Operating Humidity	Max. 90% RH	
Dimension	130mm(Ø) X 105mm(L)	

(*) Use regulated & specified power supply.