



AV830PDIR

Thank you for purchasing our product. Before attempting to connect or operate this product please read the instructions carefully in this manual for future use.

DESCRIPTION

AV830PDIR uses advanced imaging technology with resolution as high as 720P, CVBS 960H output, support 720P/60fps output meanwhile, self-adaptive 2D/3D noise reduction..

AV830PDIR comes with a powerful OSD menu that include motion detection, digital zoom, privacy zones, lens shading compensation, DPC, Auto electronic shutter, AWB, image sharpening, etc.

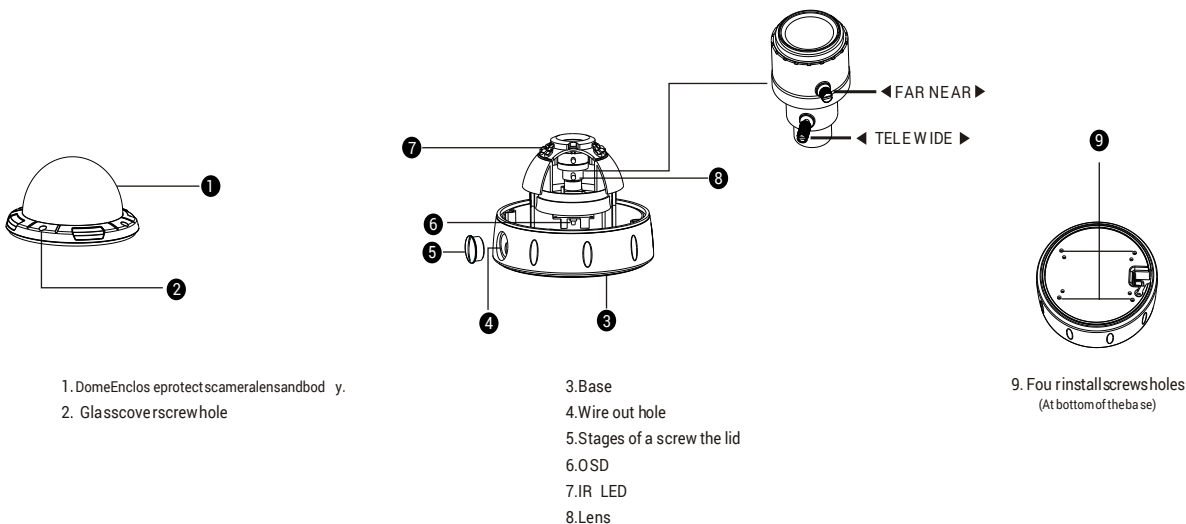
PRECAUTIONS

1. Use the Appropriate Power Supply.
The input power for AV830PDIR is DC12V/AC24V. Be sure to connect it to the appropriate power. Wrong connection may cause malfunction and /or damage to the video camera.
2. Do not attempt to disassemble the camera
To prevent electric shock, do not remove screws or covers. There are no user serviceable parts inside. Any questions please ask a qualified service person for servicing.
3. Handle the camera with care.
Do not abuse the camera. Avoid striking, shaking, etc. The camera could be damaged by improper handling or storage.
4. Do not place the camera in the following locations:
 - ① Locations where temperature is lower than -20°C or higher than 55°C;
 - ② Locations where humidity is higher than 90%;
5. Clean the CMOS faceplate with care
When cleaning the CMOS panel, do not use strong or abrasive detergents, use a piece of lens tissue or cotton-tipped applicator and ethanol.
6. Do not attempt to aim the camera at the sun.
Do not attempt to aim the camera at the sun or other extremely bright objects, that cause smear to appear irrespective of whether the camera is operating or not. This can damage the CMOS (Complementary Metal Oxide Semiconductor).
7. Do not put the camera in a place with interference.
When this camera is installed near the equipment like wireless communication device that emits strong electromagnetic field, some irregularity such as noise on monitor screen may happen.

FEATURES

1. Sony 720P CMOS sensor
2. CVBS 960H output, support 720P/60fps output meanwhile
3. High resolution, 720P, true color recovering
4. Self-adaptive 2D/3D image denoising
5. Waterproof: IP66
6. simple operation
7. OSD menu

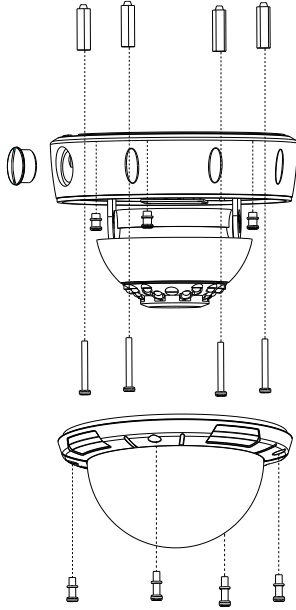
PARTS INSTRUCTION



Setup

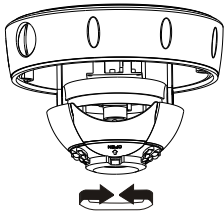
■ Camera installation

1. Loose the 4 glass coverscrew by screwdriver, take the glass cover out.
2. Loose the installed setscrews to separate the subpanel from camera body.
3. Drill 4 holes in the position needed in accordance with the installation holes in the subpanel, push the Expansion Bolt inside then tighten the screws, make the installation hole aim at the four screws and fix it.
4. Choose the way the wire out, if out from the ceiling, then need a hole on it, if from the side of the camera, then just need to loose the stages of a screw the lid get the wire out from it.

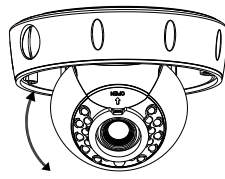


■ Adjust ment for camera direction

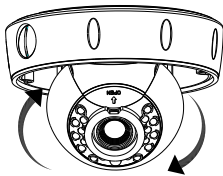
1. When the camera is fixed on the ceiling, you can adjust the angle by adjustment of the 3 axis bracket. Maximum 355° vertical rotation, 35° horizontal rotation, 355° dipping rotation.
2. Adjust ZOOM to the position you need, then adjust FOCUS to get clearer image.
3. Fix the glass cover on the camera body.



Horizontal Rotation 355°

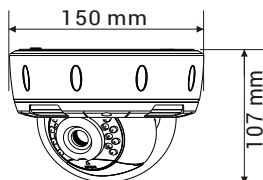


Vertical Rotation 35°



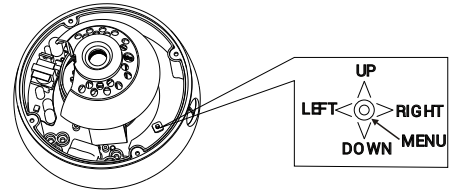
Dipping Rotation 355°

Appearance size



Menu operation

In camera the key to set the camera



OSD function set :

Menu: choose function or back to last level.

Up/down: up or down to move vertically.

Left/right: to move left or right horizontally to modify parameters, means with subordinate Menu set.

Main menu

IMAGE	3D-NR	IRIS
	AE MODE	WB
	IMAGE ENHANCE	MIRROR
	FLIP	BRIGHTNESS
	ZOOM IN	
DAY&NIGHT	AUTO	CO LOR
	B&W	EX TERNAL
ZONE MASKING	STATUS	HORIZON SIZE
	VERTICAL SIZE	HORIZON MOVE
	VERTICAL MOVE	
MOTION DETECTION	STATUS	CO LOR
	HORIZON SIZE	VERTICAL SIZE
	HORIZON MOVE	VERTICAL MOVE
VIDEO STANDARD	PAL	NTSC
LANGUAGE	English	Chinese
LOAD DE FAULT		
SO FT VER SION		
SAVE & EXIT		

Specifications

Sensor	1/3" SONY CMOS 1.3M pixels
Out put format	PAL:960(H)*576(V) NTSC :960(H)*480(V)
Scanning system	1:1 progressive scanning
Sync. System	Internal
Resolution	720P
Lens	2.8-12mm
O.S.D	Built-in
White balance	AWB-PRO/AWB-TEMPORA AWB-AI/AWB-GW/AWB-CCT
BLC	ON/OFF/AUTO
NR	3D noise reduction
Mirror function	ON/OFF
Image adjustment	Contrast/Sharpness/Saturation
Motion detection	Off/on(4 areas)
Privacy zones	Off/on(8 areas)
Day & night	Auto / B/W/ Exton / Color
S/N ratio	more than 50dB (AGC off)
Electronic shutter	Auto
Video output	1.0Vp-p composite video output, 75Ω
IR LED	18 Units infrared LED(Φ5mm/850nm)
IR distance	100 feet
Min. Illumination	0 Lux(IR on)
Power supply	DC 12V/AC24V(±10%)
Power consumption	DC12V/300mA, AC24V/5.6W
Operation temperature	-20℃~55℃
Dimension	Φ150*107mm
Weight	1120g

* Specifications are subjected to change without notice.