

# AVUE

Advanced Video Surveillance



AV803SDNW

Thank you for your purchasing this product. Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

## DESCRIPTION

AV803SDNW adopts advanced image processing technology. Resolution is as high as 600TVL, advanced digital wide dynamic range, HS-BLC, etc. Powerful OSD menu includes brightness, contrast and color saturation adjustments, multi-area BLC, white balance, AGC and other functions, which ensure clear and bright pictures. Mirror, motion detection, privacy and other aided functions make it suitable for various special environments; unique 3 axis bracket help to carry out a 24-hour monitoring and an easy convenient operation.

adopts advanced image processing technology. Resolution is as high as 600TVL realize clear and sharp image.



480 TV Line



600 TV Line

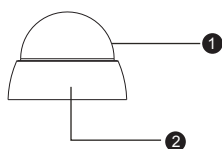
## PRECAUTIONS

1. Use the Appropriate Power Supply  
The input power for AV803SDNW is DC12V. 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. 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 expose the camera to rain or moisture, or try to operate it in wet areas.  
Do not place the camera in the following locations:
  - ① Locations where temperature is lower than  $-10^{\circ}\text{C}$  or higher than  $55^{\circ}\text{C}$ ;
  - ② Locations where humidity is higher than 90%;
  - ③ Locations where there are large amounts of water vapor and steam.
5. Clean the CCD faceplate with care  
When cleaning the CCD 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 CCD (Charge Coupled Device).
7. Do not put the camera in a place with interference.  
When this camera is installed near the equipment like wireless communication device which emits strong electromagnetic field, some irregularity such as noise on monitor screen may happen.

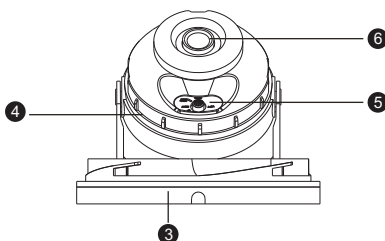
## FEATURES

- 1/3" SONY Super HAD II CCD  
Advanced WDR compensation largely improves image effect when there is much contrast.
- Advanced Digital Signal Processing Technology  
Design, whose brightness is several times higher and working life longer than an ordinary LED's.
- High Resolution  
Horizontal 600TVL resolution
- HS-BLC  
It can automatically detect strong light, keep out the part with strong light in the image to improve the whole scene definition and carry out an effective monitoring more clearly
- 3 axis bracket  
inside 3 axis bracket, full angle adjustment, easy operation.
- OSD menu  
Powerful menu operation, which can set all functions of the camera.

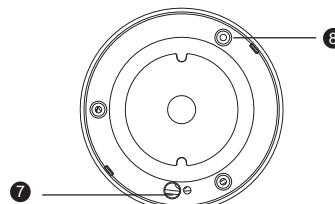
## PARTS INSTRUCTION



1. Dome Enclosure: to protect camera lens and body.
2. Glass cover



3. Base
4. 3D cable bracket
5. OSD
6. lens

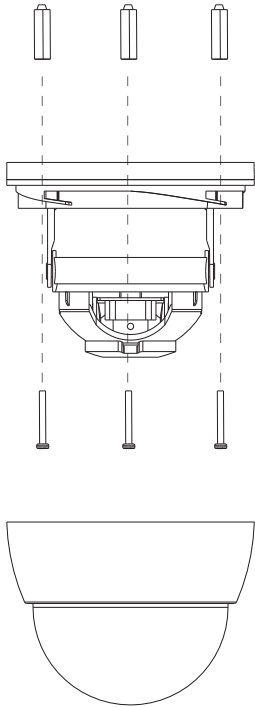


7. wire out hole
8. three install screws holes (at bottom of the base)

## Setup

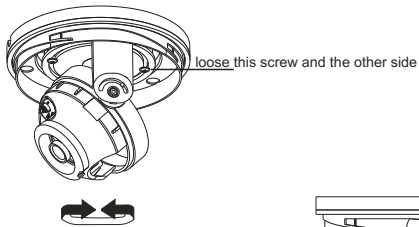
### ■ Camera installation

1. Counter-clockwise the c glass cover, take the glass cover out.
2. Using the foam pat to locate holes in the wall.
3. Drill 3 holes in the position needed in accordance with the installation hole on the base, push the Expansion Bolt inside then tighten the screws, make the installation hole aim at the three screws and fix it.
4. Get the wire out from the wire out hole.

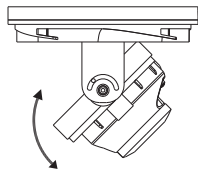


### ■ Adjust ment for camera direction

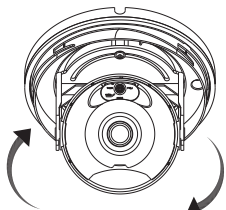
1. When the camera fixed on the ceiling you can adjust the angle by adjustment of the 3 axis bracket. Maximum 160° vertical rotation, 150° horizontal rotation, 360° dipping rotation.
2. When you adjust the angle of vertical rotation, you have to loose the two screws.
3. Fix the glass cover on the camera body.



Horizontal Rotation 150°

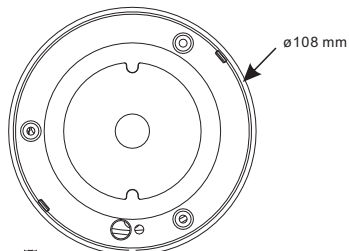
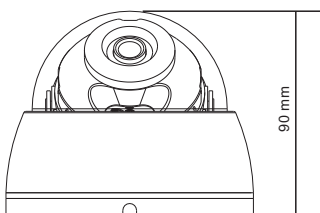


Vertical Rotation 160°



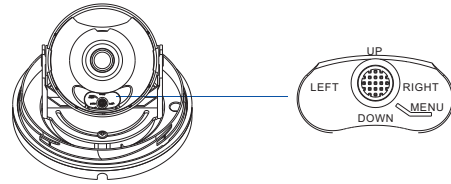
dipping rotation 360°

### 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 or modify parameters. means with subordinate menu set.

## Main menu

MENU		
LENS	◆ MANUAL ◆ VIDEO	◆ DC
EXPOSURE	◆ SHUTTER ◆ AGC	◆ BRIGHTNESS ◆ DWDR
WHITE BAL	◆ ATW1 ◆ AWC → SET	◆ ATW2 ◆ MANUAL
BACKLIGHT	◆ BLC ◆ OFF	◆ HLC
DAY&NIGHT	◆ COLOR ◆ EXT	◆ B/W ◆ AUTO
DPC		
SPECIAL	◆ CAM TITLE ◆ PRIVACY ◆ LANGUAGE	◆ MOTION ◆ IMAGE ADJ ◆ VERSION
RESET		
EXIT		

## Specifications

Pick Up Device	1/3" SONY Super HAD II CCD	
Total Pixels	PAL: 752(H) * 582(V)	NTSC: 768(H) * 494(V)
Sensing area	4.9mm * 3.7mm	
Scanning System	2:1 Interlaced	
Sync System	Internal	
Resolution	600 TV Lines	
Lens	2.8mm, 3.6mm, 6mm, 8mm optional	
O.S.D	Built-in	
Digital WDR	Off/On(0-63 level adjustable)	
White Balance	ATW1/ATW2/MANUAL/FIXED	
AGC	High/Mid/Low/Off	
BLC	HLC/BLC/Off	
2DNR	Off/On	
Motion detection	Off/On(4 areas)	
Mirror function	Off/On(Horizontal mirror)	
Image adjustment	Contrast, Sharpness, Saturation	
Privacy zones	Off/On(8 areas)	
Day & Night	Auto/B/W/Color/EXT	
S/N Ratio	more than 50dB	
Electronic Shutter	Auto/Anti-flicker/Fixed/Manual	
Video Output	1.0Vp-p Composite Video Output, 75Ω	
Min. Illumination	Color: 0.02Lux/F1.2, B/W: 0.002Lux/F1.2	
Power Source	DC12V ± 10%	
Current Consumption	200mA	
Operation Temperature	-10°C ~ 55°C	
Dimension	φ108 * 90mm	
Weight	290g	