AVUE

Advanced Video Surveillance

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

AV830SD has advanced image processing technology with resolutions as high as 700TVL and advanced digital wide dynamic range, HS-BLC etc. To ensure a clear and bright picture the AV830SD comes with a powerful OSD menu that includes brightness contrast and color saturation adjustments, multi-area BLC white balance, AGC and other functions. Mirror motion detection, privacy and other functions make the AV830SD suitable for various special environments. A waterproof and vandal proof design, combined with a 3-axis directional bracket allows for customized viewing, 24hour monitoring and simple operation.

AV830SD

adopts advanced image processing technology. Resolution is as high as 700TVL realize clear and sharp image.
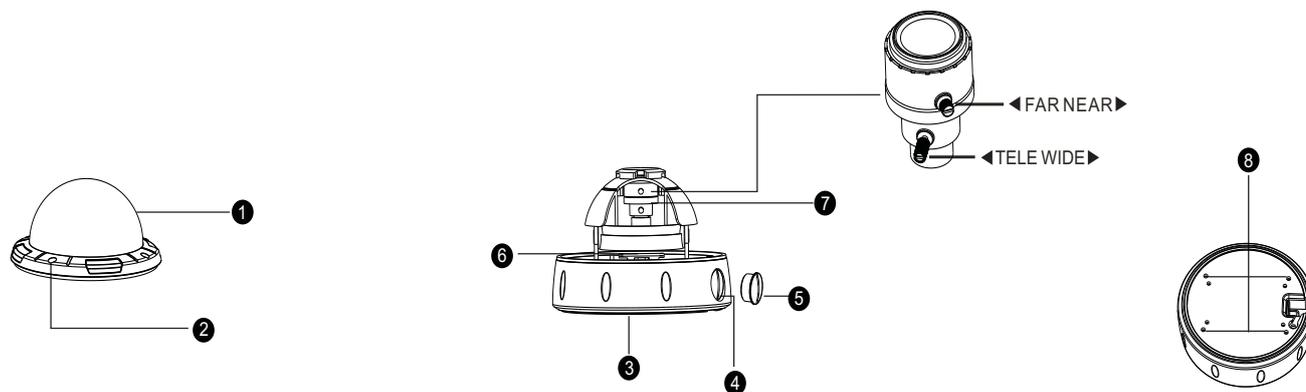
480 TV Line

700 TV Line

PRECAUTIONS

1. Make sure to use the appropriate power supply when installing the AV830SD, the input power is DC12V/AC24V.
   Be sure to connect the wires correctly, incorrect installations of the power source may cause malfunction and/or damage to the video camera.
2. Do not attempt to disassemble the camera unit as eclectic shock may occur.
   Do not remove the cameras set screws or cover, the camera has no serviceable internal parts. If service is required seek out a qualified technician.
3. Handle the camera with care; avoid dropping, striking or impacting the camera as this could result in damage to the unit.
4. Do not store the camera incorrectly or expose it to rain or moisture.
   Do not place the cameras in the following locations:
   Locations with temperatures lower then -10C or higher than 50C
   Locations with humidity that exceeds 95%
   Locations with large amounts of water vapor or steam.

5. Clean the CCD faceplate with care.
   When cleaning the CCD use only a soft cloth or piece of lens paper. Ethanol may also be used.
6. Do not aim the camera at the sun or any bright light source as this may damage the CCD.
7. Do not install the cameras near equipment that emits strong electromagnetic fields such as wireless communication devices. This interference may cause pictures irregularity and static on the video monitor.

FEATURES

1/3 Sony Ex–view HAD CCD is employed by the AV830SD.

The Sony Ex-view comes with advanced WDR compensation which greatly improves image quality when dealing with higher levels of contrast.

Advanced Digital Signal Processing Technology.

Higher brightness, by design and an extended LED life

High Resolution

Horizontal 700TLV resolution

HS –BLC

Automatic light filter for better contrast in bright light, higher image quality and better image control.

DC12V/AC24 Duplicates Supply Design

Automatic power motoring and shifting from DC12V and AC24V

Waterproof and vandal proof

Waterproof, dust proof and vandal proof

Motion Detection

Video motions detection functionality with a Blue LED highlight. Quality alarm effects

3 Axis Bracket

Internal 3-Axis directional bracket, fully adjustable with easy operation

OSD Menu

Powerful menu options that control all /functions of the camera

PARTS INSTRUCTION
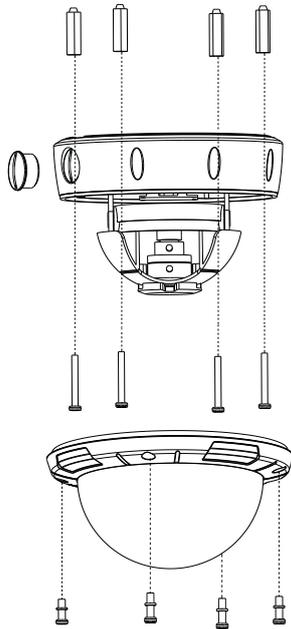
◀FAR NEAR▶

◀TELE WIDE▶

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

3. Base
4. Wire out hole
5. Stages of a screw the lid
6. OSD
7. LENS

8. Four install screws holes
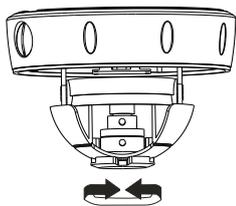   (at bottom of the base)

■ Camera installation

To install the AV830SD loosen, using a screwdriver the 3 external screws that secure the glass dome-cover. Remove the glass dome-cover and then loosen the internal set-screws and separate the subpanel from the camera body. Use the Subpanel as a guide and mark 3 holes on the surface where you intend to install the camera. Remove the subpanel and drill these 3 holes. (Please make sure that the surface you attach the camera too is sturdy enough to support the screws and the camera). Place wall fasteners in the three holes, place the subpanel on top of the wall fasteners, making sure the holes line up with the fasteners. Place one screw though the Subpanel and into the fastener and then tighten with screw driver.In regard to wiring the AV830SD come with a default, vertical wiring configuration. The AV830SD also comes with a front set screw that can be removed for a horizontal wire configuration. Be sure to pre-set your configuration, prior to install to avoid damaging the wiring harness.
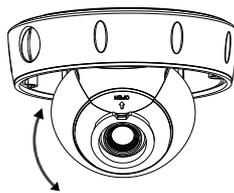

■ Adjustment for camera direction

After installation is complete you can now adjust the camera and the field of view. The maximum vertical rotation the AV830SD is 355 degrees, maximum horizontal rotation is 35 degree and the maximum dipping rotation is 355 degrees.
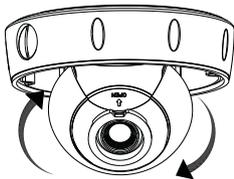
To adjust the ZOOM, locate and adjust both the Zoom and Focus adjustment levers, which are located on the camera module inside of the dome cover. Once you have achieved the desired zoom and focus lock the two adjustment levers by placing a small screwdriver into the locking setscrew hole, located just below the camera module.
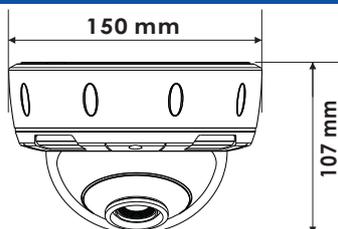

Horizontal Rotation 355°
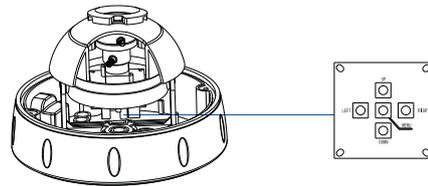

Vertical Rotation 35°

Dipping Rotation 355°

150 mm

107 mm

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

LENS	◆ MANUAL	◆ AUTO ⏎
SHUTTER/AGC	◆ MANUAL ⏎	◆ AUTO ⏎
WHITE BAL	◆ ATW ⏎	◆ AWC-SET
	◆ USER 1 ⏎	◆ USER 2 ⏎
	◆ ANTI CR	◆ MANUAL ⏎
	◆ PUSH	
BACKLIGHT	◆ OFF	◆ BLC
	◆ HLC	
PICT ADJUST	◆ MIRROR	◆ BIGHTNESS
	◆ CONTRAST	◆ SHARPNESS
	◆ HUE	◆ GAIN
ATR	◆ OFF	◆ ON ⏎
MOTION DET	◆ OFF	◆ ON ⏎
PRIVACY	◆ OFF	◆ ON ⏎
DAY/NIGHT	◆ COLOR	◆ B/W ⏎
	◆ AUTO ⏎	
NR	◆ OFF	◆ ON ⏎
CAMERA ID	◆ OFF	◆ ON ⏎
LANGUAGE		
CAMERA RESET		
SAVE		
EXIT		

Pick Up Device	1/3″SONY Ex-view 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	700 TVLines
Lens	DC ICR 2.8mm~11mm
O.S.D	Built-in
White Balance	MANUAL/USER1/USER2/PUSH LOCK/CRR/ATW
AGC	Auto/manual
BLC	HLC/BLC/OFF
2DNR	Y/C,Y,C,OFF
ATR	OFF/ON
Mirror function	Horizontal mirror/OFF
Image adjustment	Lightness/Contrast/Sharpness/Tone/Saturation
Motion detection	Off/On(4 areas)
Privacy zones	Off/On(4 areas)
Day & Night	Color/B/W/Auto(ICR)
S/N Ratio	50dB(AGC OFF)
Electronic Shutter	Auto(1/60(1/50)~1/100,000)/FIXED/MANUAL
Video Output	1.0Vp-p Composite Video Output,75Ω
Min. Illumination	color:0.06 Lux/F1.2, B/W:0.006 Lux/F1.2
IP Rate	IP 66
Power Source	DC12V/AC24V
Current Consumption	DC12V/300mA,AC24V/4.8W
Operation Temperature	-10℃~50℃
Weight	1120g

*Specifications subject to change without notice

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