

# IR DOME CAMERA USER MANUAL

## 960H Ultra Resolution Series



The product image may differ from the actual product.  
It's recommended to use this camera with a DVR which supports 960H video recording.  
Please read the instructions thoroughly before using the product.



### CAUTION

### RISK OF ELECTRIC SHOCK



#### CAUTION:

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture.

Only operate this apparatus from the type of power source indicated on the label.

The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This 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 appliance.



#### ROHS Announcement

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.



#### CE Mark

This apparatus is manufactured to comply with the radio interference.

The company does not warrant that this manual will be uninterrupted or error-free. We reserve the right to revise or remove any content in this manual at any time.

## PACKAGE CONTENT

1. Camera
2. User Manual
3. Screws & Wall Plugs

## FEATURES

1. 1/3" H.R. Color CCD with SONY Effio DSP
2. 700 TVL superior image quality
3. Low light sensitivity of 0.05 Lux, 0 Lux (IR ON)
4. 3-axis mechanism for flexible ceiling and wall-mount installation
5. Day and night features for 24-hour surveillance

## SPECIFICATIONS\*

Model	IR Dome Camera
Pick up Element	1/3" HR color CCD image sensor with SONY Effio DSP
Number of Pixel	976(H) x 494(V) <NTSC> / 976(H) x 582(V) <PAL>
Resolution	700 TVL
Min. Illumination	0.05 Lux; 0 Lux (IR ON)
IR LED	12 units
IR Effective Distance	Up to 10 meters
S/N Ratio	More than 60dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	f3.8 / F1.5
Lens Angle	98.3° (Diagonal) / 76.3° (Horizontal) / 56.2° (Vertical)
Color Rolling Suppress	YES
Iris Mode	AES
White Balance	ATW
AGC	Auto
Video Output	1.0Vp-p composite, 75Ω
Operating Temperature	0°C~40°C
Power Source (10%)	DC12V
Current Consumption (10%)	70mA (IR OFF), 200mA (IR ON)
Dimension (mm)**	131(Ø) × 95(H)

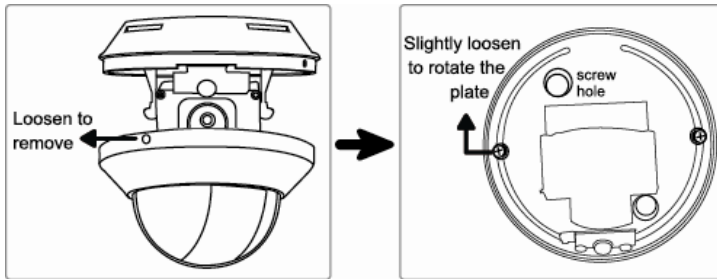
\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm

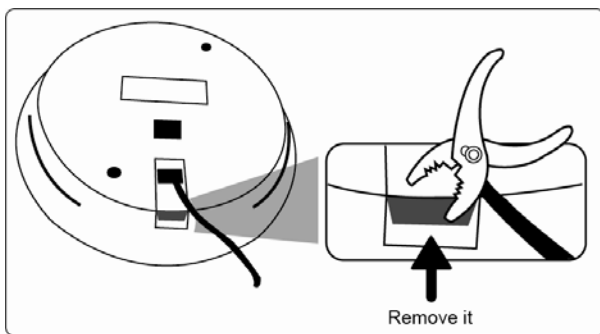
## INSTALLATION

1. Loosen the three screws on the camera to separate the dome cover from the camera.
2. Make sure the screw holes on the plate are aligned with the holes on the camera base.

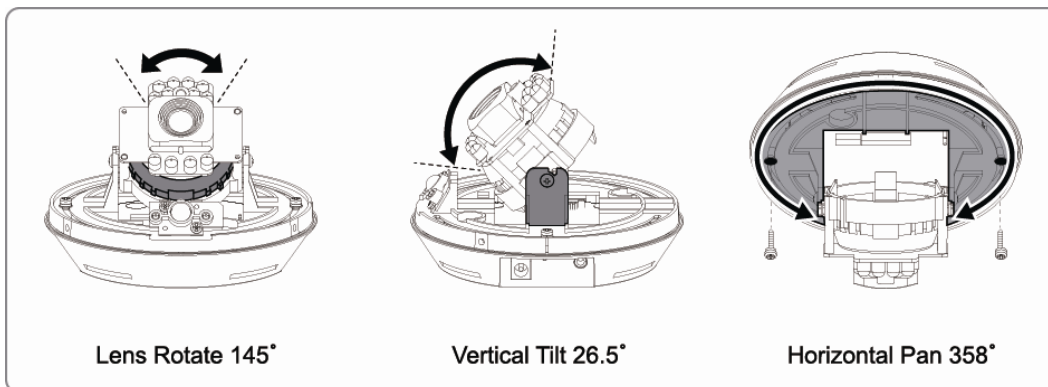
**NOTE:** If not, slightly loosen the two screws on the plate and rotate it.



3. Mark the locations of two screw holes on the ceiling or wall for installing the camera later.
  - For cabling behind the ceiling or wall, mark the location for one more hole for the camera cable to go through;
  - For cabling along the ceiling or wall, do as indicated below for the cable to go through.



4. Fix the camera to the ceiling or wall with the supplied screws.
5. Pan, tilt and rotate the lens itself to adjust the position and viewing angle of the camera, and fasten the two screws on the plate to fix.



6. Replace the dome cover back to the camera.

**NOTE:** Before replacing the cover, make sure the cover is clean and so the camera view is clear.

7. Connect your camera to power.

## CONNECTION

1. DC12V Input Terminal

Connect the power terminal of the camera to a DC 12V regulated power supply.

**NOTE:** Please use the correct power adaptor, DC12V (regulated), to operate this unit. The power tolerance of this unit is DC12V  $\pm$  10%. Over maximum DC 12V power input will damage this unit.

2. Video Output Connector (VIDEO OUT)

Connect the camera video output to the video input of a DVR with 75 $\Omega$  coaxial cable.