

AC - 3520H

GENERAL

Thank you for choosing HIGH-LIGHT® LED IR camera. All products are certified by CE, LVD, FCC and RoHS inspection and have passed quality control before shipping. The IR camera with the new generation Metal-board and new AlGaInP HIGH-LIGHT® LED provides excellent performance in the dark. It is the premier product of CCTV surveillance technology; and an ideal solution to your tough surveillance requirement.

FEATURE

- No focus shift under IR, stay focus as daytime
- 24 hours monitoring views for both day and night
- AlGaInP LED (Piranha) provides excellent performance in the dark
- Each LED output 0.25W of lumen (lm), 4 times brighter than ordinary IR LED
Long IR distance
- Long life of LED up to 20,000 hours
- Special metal board enhances lighting and dissipates heat
- Built-in color CCD camera and lens
- Photo sensor delay control, avoid IR turning on/off repeatedly
- Weatherproof protection of the housing for indoor and outdoor use

CAUTION

Before installation, please read the instructions manual carefully, and please keep this manual for future checking.

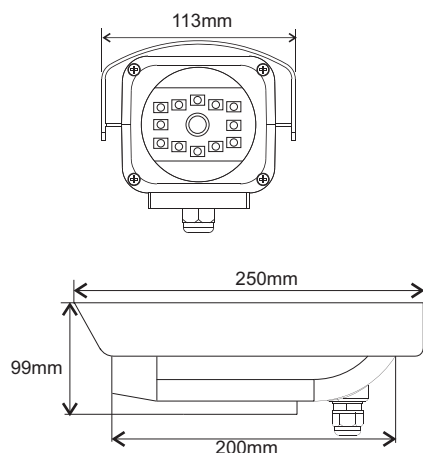
- Please check all the accessories of merchandise are complete, if there is any missing or damaged, please do not install or operate the product, and contact the dealer for assistance immediately.
- To prevent electric shock or other hazards, please do not try to remove screws or covers by yourself. If there is any maintenance needed, please ask a qualified service person for servicing.
- Use the correct power source, and make sure everything is correct before turning on the power.
- The brightness of the IR light will be influenced by the environment, geography and reflection object. (The object such as people, trees, lawn or wall is good for IR light reflection. The object such as glass, painting, lake, river or ocean will weaken the brightness of IR.)

INSPECTION

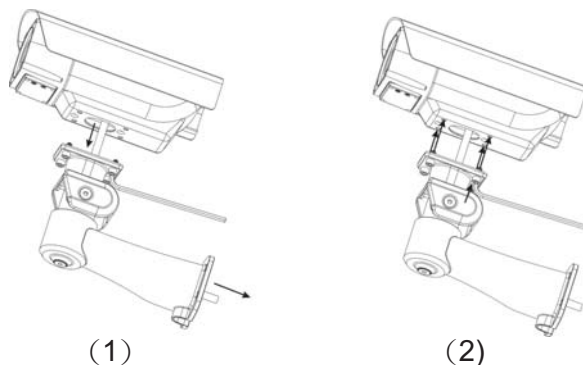
- If the camera doesn't work, please check as below:
 1. Power supply: Make sure the power supply is correct and the electric cord has not fallen off.
 2. Video output: Be sure the BNC connector is connected to video output terminal.
- If the camera still doesn't work, you can check as below to find what the problem is. Please call a qualified service person for servicing and do not disassemble the camera to fix it.
 1. Check the image.
 2. Check the IR Light: Cover up the photo sensor, to turn it on, the IR light will light up.

IR Light \ Image	Yes	No
	Camera OK	Photo sensor NG
Yes	Camera OK	Photo sensor NG
No	Photo sensor NG or LED NG	Power NG

CONSTRUCTION



Wire-in bracket assembly diagram



SPECIFICATIONS

Model	AC-3520H
Horizontal Resolution	480 TV Lines
Image Device	1/3" SONY
Effective Pixels	N: 768(H) x 494(V) P: 752(H) x 582(V)
Sensitivity	0.01 Lux, IR/0Lux
Scanning System	NTSC: 525 lines 2:1 interlace, PAL: 625 lines 2:1 interlace
Scanning Frequency	NTSC: 15,734Hz(H) , 60Hz(V), PAL: 15,625Hz(H) , 50Hz(V)
Electronic Shutter	NTSC:1/60-100,000sec., PAL:1/50-100,000sec.
Power Supply	12VDC
Signal to Noise	More than 50 dB (AGC off)
Gain Control	AGC
White Balance	ATW 2500-9500°K
BLC	Auto
Gamma Correction	0.45
SYNC System	Internal
Lens	4mm / 6mm / 8mm / 12mm lens optional
Video Output	Composite 1.0 Vp-p at 75 ohm
IR LED	HIGH-LIGHT® LED x 12pcs
LED Component	AlGaInP
IR View Angle	View angle: 50-80° , Beam spread: 30° per LED
IR Wavelength	850nm
IR Distance	35M
IR Status	Under 10 Lux by photo sensor auto control
LED Life	More than 20,000 hours
Protection Class	IP 66
Power Consumption	IR on: 460mA, IR off:100mA
Housing Construction	Aluminum with sunshield weatherproof
Brakcet	Optional (standard or wire-in)
Heat Dissipating	Special metal board device
Operation Condition	Working: -20~60°C, Storage: -30~70°C, Humidity: 0~95%RH
Dimensions	80(H) x 90(D) x 250(L)mm
Weight	1.5kg