



CAMERA

HD CAMERA



Instruction



Caution
RISK OF ELECTRIC SHOCK
DO NOT OPEN.



Be careful:

To reduce the risk of electric shock, do not open the camera's shell (or back cover); parts of the operation of the user are in the camera's surface, request to help qualified professional maintenance.

Note:

- ◆ Do not use hand CCD or contact lens;
- ◆ Don't let the camera be the onslaught;
- ◆ Please use the stabilized voltage supply (DC12V);
- ◆ Don't let the camera directly against the strong light;
- ◆ Avoid the instability of local installation (shaking, moisture; heat, cold, etc.);
- ◆ Avoid using, outside the temperature of the following conditions: temperature of 20°C ~ 50°C, humidity; less than 85%;
- ◆ Any installation and assembly issues, please contact the sales staff.

Super function:

- ★ Powerful digital white balance function;
- ★ Humanized design, use more convenient;
- ★ Super electronic shutter function, automatic gain control;
- ★ Digital noise reduction technology, with high quality of signal to noise ratio;
- ★ With high quality aperture lens, ensure the image effect;
- ★ High precision optical transparent cover, transmittance increased by 40%;
- ★ Internal zinc alloy assembly, good heat dissipation, solid and shock, long service life;
- ★ Super light sensitivity, in the very low light conditions can also capture high quality and not produce images;
- ★ Progressive dynamic scanning CCD, can be obtained in the harsh environment of high resolution images.

According to the company's technical investigation, the vast majority of failure is not the camera itself fault. In order to your higher work efficiency, please you before the camera repair, check the following items are using the correct, if cannot function properly, please contact the appropriate vendors or corresponding authorized maintenance personnel.

1. There is no image on the monitor

Are all connected devices connected to the power supply?

Voltage is correct?

Are the positive and negative polarity of the equipment used in the DC power supply correct?

The signal connection cable is used to connect the cable, the signal output to the monitor's route is open, short circuit, connection BNC is good?

Monitor brightness adjustment is normal?

Is there any object in front of the camera lens?

2. Image is not clear

Is the monitor correct? After the focal position is correctly adjusted?

Is the focal length of the lens adjusted correctly?

Is the lens surface clean?

If there is dust and fingers printed in the lens, the image quality will be poor, please use a soft cloth clean lens.

3. Image interference

If there is a strong magnetic field near the camera?

Is the ground wire good?

Correct wiring is correct.

4. Image distortion or geometric distortion

General can adjust the line synchronization can be;

If it is night vision infrared light open and cameras to check the voltage and current of power is normal, check all cable or other connecting the characteristic impedance of the equipment is not 75Ω?

5. The picture appeared in several black bar in vertical direction

In this case, the power supply voltage of the DC power supply voltage is too much, should take good performance of the DC voltage regulator current.

6. The vertical bars of multi-channel images

This may be the cause of radiation caused by the characteristics of the external video line or the device with the camera does not match the camera, should pay attention to the characteristics of the selected video line and other connection processing equipment is 75Ω?

7. The big picture

Camera internal circuit board is not bad;

Video amplitude output is not enough;

Environmental light intensity is not enough;

Whether the cable is in contact with the optical fiber or the short circuit;

The monitor itself is better than a bad signal to noise.

Dear customer, thank you for your use, in order to strengthen the customer service, a special order of the warranty regulations, please read and provide your valuable advice and suggestions.

1. this product is entitled to 12 months of free warranty service from the date of sale. After the warranty period, the company will charge the cost of parts for the product failure.

2. repair products, please properly packed and shipped, transported such loss or damage, the company will not be responsible for.

3. in the event of a free warranty period, the company has the right to refuse to serve or to charge fees, service fees and charges:

(1) Failure or damage caused by improper use of the user;

(2) Voltage or improper installation lead to burnout;

(3) Self repair, demolition of the failure and the occurrence of failure;

(4) Product quality assurance label;

(5) Unable to produce a warranty card or product name, serial number and dealer unknown.

4. Please read the product specification carefully before installing the product.

5. Manufacturers to retain the appearance of the design and function of the upgrade of the rights and interests, products if there is a change, without notice, please forgive.

Analog HD camera

Image Sensor	1/3" Mega Pixel CMOS SONY				
Signal system	PAL/ NTSC system				
Horizontal articulation	420TVL/480TVL/540TVL/600TVL/650TVL/700TVL/ 750TVL/800TVL/900TVL/1000TVL/1200TVL				
Lens focal length	2.8~16MM optional				
Video Output	1.0VP-P/75Ω				
Lens size	Fixed /manual /optional				
White balance	Automatic white balance ON/OFF				
S/N Ratio	≥48db				
Electronic shutter	PAL : 1/151/10000s NTSC : 1/60/10000s				
Minimum illumination	0.01LUX/F1.2	0.1LUX/F1.2	0.001LUX/F1.2	0.1LUX/F1.2	0.001LUX/F1.2
Gain control	Automatic gain ON/OFF				
Back light compensation	Manual/automatic optional				
Power input	DC12V				
Operating temperature	-10℃~50℃ (14°F~122°F)				
Infrared distance	20M	30M	50M	80M	100M

Warranty card

User name			
User address			
Contact phone		Zip code	
Purchase location		Purchase time	
Purchase price		Sales order	
Name and specifications		Body number	
Dealer signature and seal		User signature	