

■ Specification

1/3" Sony color CCD 540TVL,0.2lux	
1/3" Sony color CCD 480TVL,0.1lux	
1/3" Sony color CCD 420TVL, 0.5lux	

Pixels	540/480TVL	PAL:752x582		NTSC:768x494	
	420TVL	PAL:500x582		NTSC:510x492	
TV System,	PAL/NTSC				
Sensor size	49(H)*77(D)mm				
Net Weight	125g/pcs				
Lens	3.7mm pinhole Lens				
Auto iris lens	Fixed				
Sync System	Internal				
Minimum Illumination	0.5Lux/F1.2				
S/N ratio	More than 48dB				
Supply voltage	DC12V,Adapter DC12V 1A				
Gamma modification	0.45				
Gain control	Auto				
White balance	Auto				
Electronic shutter	1/60(1/50)~1/100,000 sec				
Video output	1.0Vp-p Composite Video Output,75ohm				
Power consumption	DC12V 80mA				
Operation temp.	-10°Cto 50°C				

■ Content

No	Name	QTY.
1.	Miniature Camera	1
2.	UserGuide	1

User Manual

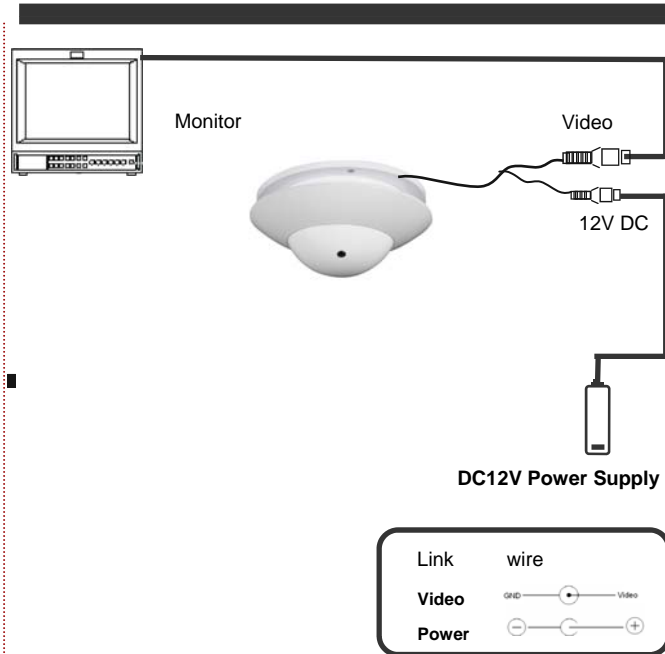
Mini UFO Camera



Notes: Before providing power for the camera, please read this User Guide in de-

Do not attempt to disassemble the camera. If the camera can not work, please contact local franchiser or our company.

CONNECTING



PRODUCT IMAGE



INTRODUCTION

Congratulations on your purchase of this product. We adopt the latest SONY technical of sensor and driver. The most attractive characteristics are water-resistant, and widely applicable to day & night, indoor & outdoor. In addition, it owns the characters of high definition and stability, strong anti-jamming, rich and real color. Fixing and using this model are convenient too. It is very good for you to apply to yours CCTV system.

Please read this instruction manual carefully to ensure proper use of the product.



To prevent fire or shock hazardous. Do not expose the unit into water too long time directly.



The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.



The symbol 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.



CAUTION:

RISK OF ELECTRIC. DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER OR BANCK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

To prevent electric shocks and risk of fire hazards, do NOT use other than specified power source.

TROUBLE AND SOLUTION

1. No Picture after providing power

- . May be the power supply voltage abnormity, please check the power supply voltage and pole whether exactitude.
- . Please check all the connecting cable and monitors whether be connected correctly or not.

2. The picture level direction have flowing interference ripples

- . May be caused by the power supply AC ripples, it need filter the wave of the power supply.
- . Check the monitor and peripheral equipments used.

3. The picture background color changes continuously

- . The fluorescent lamp's electromagnetic field cause color roll. This is proper phenomenon of the cameras.
- . Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps can improve it.
- . Use power supply external sync. camera can solve it.

4. The picture smear too mass

- . The power supply's voltage unstable.
- . Connecting cables not connect correctly or have high impedance.



Notes:

- The power supply must through safe attestation. Its output voltage、current、voltage polarity and operating temperature must match the camera's requirement.
- When using the camera in the thunderbolt condition, please note to mount Anti-thunder device or put off the power supply plug and cable.
- In order to capture high quality pictures, the power supply's cable and video output cable should not be too long.



Note:

- Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -10℃-50℃. (Recommendatory operating temperature is -5℃--40℃.)
- Never make the camera face the sun or bright object. Otherwise, it will damage the CCD.
- Do not mount the camera near by the radiator or heater.