



USER'S MANUAL
CCD CAMERA OVER PLASTIC OPTICAL FIBER
NANOVIDA



PRELIMINARY VERSION FEB. 2009

DESCRIPTION

This camera uses a SONY charge coupled device (CCD) image sensor, employs a digital signal processor (DSP) chip-set for image control and all integrated state circuitry, which provides extremely long life and high reliability. This camera offers excellent image quality and it is not subject to distortions due to magnetic fields.

High resistance to shock and vibration, and easy to install: this camera is the best choice for your CCTV system.

PRECAUTION

- Do not keep the camera face a to strong light directly without lens or cap.
- Avoid direct sunlight.
- Avoid places with temperatures over 50°C .
- Do not directly touch the CCD element. To clean the element, use a soft cloth moistened with alcohol to wipe off dust.
- When the camera is not used, keep the lens or the lens cap attached to protect the CCD sensor.
- In case of malfunction, make sure to unplug the unit and contact your local dealer.

SPECIFICATIONS

Color CCD Camera

Pickup Device:	1/3" SONY CCD
Picture elements	500(H)x582(V)
System of signal	PAL <input type="radio"/> NTSC <input type="radio"/>
Horizontal Resolution	420 TV Line
Lens Mount	C/CS Mount
Min. illumination	0.5lux at F1.2
Electronic Shutter Control	On/Off Switchable
Auto Again Control	AUTO
Back Light Compensation	AUTO
Electronic Shutter	1/50 – 1/10,000(s)
Auto Iris Lens	VIDEO/DC Driver
White Balance	AUTO
S/N Ratio	≥ 48dB
Power source	DC12V / 3 W
Consumption	160mA
Operating temperature	-10°C - +50°C 14°F - 122°F

Note: design and specifications are subject to change without prior notice.

OPERATING INSTRUCTIONS

1. Connect the optical output to the plastic optical fiber.
2. Connect the power source: +12V DC is the red wire on the camera.
3. When the picture appears on the monitor, only if necessary, adjust the focus to obtain the best picture: remove the cap cover from the top of the lens mount and screw the lens into the lens mount until the subject is in focus and the picture is clear.
4. Mount the camera on the mounting bracket by using the hole on bottom of the camera.

TROUBLE SHOOTING

If problems occur with your camera, please refer to the following. If the guidelines do not help you to solve the problem, contact an authorized dealer.

PROBLEM	SOLUTION
No video	Check the power supply and line connection between the camera and monitor.
Dim image	Check the surface of the lens
Weak contrast	Check if the camera is exposed to too strong light
Flicker image	Check if the camera faces to the sun directly or too strong light.



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