



IT I320L

Black&White Digital CCD Camera



BLACK
&
WHITE

380
TV LINE

CCD
1/3"

12
VDC

The IT I320L is a high quality Digital Black&White CCD Camera with LG CCD technology and digital signal processor (DSP). Plug board is processed with SMT art design. This style is of reliable quality and excellent image. It has strong capacity to defend the interference magnetism. It's durable and installed easily. With its lightweight and compact size, the IT I320L camera is the perfect solution for monitoring and surveillance CCTV application.

CAUTIONS

1. The applied power supply is DC 11.5 ~ 14V, the current should not be more than 300mA.
2. Do not expose the camera to rainy or highly moist conditions.
3. Avoid using under abnormally high or low temperature conditions. (Recommended temperature range: -10°C ~ 50°C).
4. Do not install the camera in places with direct sunlight.
5. Installing under fluorescent or incandescent light immediately may cause flicker of the monitor. It does not mean the camera is damaged.

6. When installing the camera in an industrial estate or downtown (i.e. within workshops or near to other electronic devices, etc.), make sure to avoid any strong electromagnetic field.

7. Do not connect any power supply directly to the terminal of the VIDEO OUT connector, which may cause damage.

8. When using a video/power multiplex transmission cable, check the specifications of your monitor so as to connect with the video signal terminal of the camera properly.

9. Do not make any connections or operations to the camera with the wet hands. This may cause an electric shock.

10. Please don't touch CCD component by your hand directly. Using soft cloth dipping alcohol to wipe it off when you need to clean it

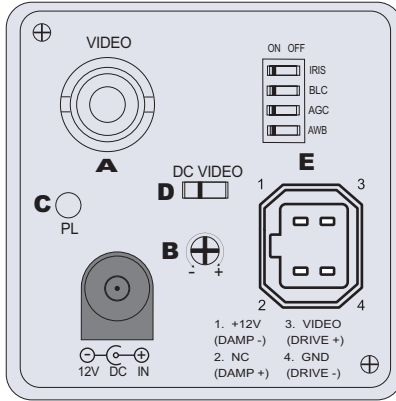
11. Once the camera not worked properly, cut off the power supply immediately, then check all connectors, power supply cables and video cables to see whether they are properly connected.

NOTE : Facing the camera lens to sun light directly may cause damages to the CCD.

INSTALLATION STEPS

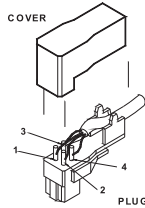
1. DC 12V positive pole and video output are in the same wire. Connecting DC12V positive pole to wire terminal, then connecting the video output to related video input terminal.
2. Connecting DC12V negative pole and STP separately to related terminal.
3. Fix up the pedestal on the ceiling ,fix up the screw of pedestal.
4. Aim at the scope what you want to watch, then fix up the screw of horizontal angle.
5. Choose a good angle to the aim thing first , then fix up the screw of declining angle.

SWITCHES FUNCTION AND COMPONENTS



A - Video Out
B - Function Switch
C - Power Indicator
D - DC Drive Lens Voltage Adjusting Knob
E - IRIS pin definition

Auto-iris Lens Connection:
Assemble the miniature plug (not included) for the auto-iris lens as below:



FUNCTION OF ON/OFF SWITCHES

1. BackLight Compensation.

This function is used in the surroundings where the lights of background is too strong. After it's ON, you can still obtain a distinct image.

2. Lightness Control.

ALC - auto lightness control, can be used to DC auto iris lens;

ELC - electronic light control, can be used to manual iris lens.

3. Mirror. (AGC Auto)

4. Selection of White Balance mode.

ATW - Auto Trace White Balance;

AWC - Auto White Balance. Recommended use AWC in normal environment. (AWC is default mode).

If the proper picture does not appear on the monitor, ensure that the following points are correct:

- Whether the power connector jack and the video cable are firmly connected.
- Whether the power cable and the video cable are connected or not damaged.
- Whether the specifications of the camera and the monitor is matched. (NTSC/PAL system ?)
- Whether the power supply is stable between DC+10.8V-13.2V and the current used for the camera is not more than 300mA.
- Whether the lens unit aligns with the camera visual access panel.

If the camera still does not work in a proper way after checking the above items, stop using it immediately and contact the distributor or dealer from whom it was purchased.

TECHNICAL SPECIFICATIONS

Image Pick Up Device: 1/3" LG A1 B&W CCD

Signal Format: PAL or NTSC

Effective Pixels: PAL:500H×582V

NTSC:510H×492V

Horizontal Resolution: 380 TVL

Minimum Illumination: 0,05 Lux/F1.2 - 0 Lux/F1,2 External IR On

Scanning System: PAL: 625TVL

NTSC: 525TVL; 2:1 Interlace

Synchronization: Internal Sync

Line Lock, External Sync

Infrared Wave Length: 700-1000 nm

S/N Ratio: Over 48 dB (AGC off)

Auto Gain Control (AGC): 40dB (On) / 16dB (Off); Selectable

Electronic Shutter: On/Off (Up to 1/100.000 seconds)

White Balance: Auto Tracking White Balance (ATW) 2500°K to 9500°K

Back Light Compensation (BLC): On/Off; Selectable

Video Output: 1.0 Vp-p 75Ω Composite, BNCx1

Gamma Ratio: 0.45

Auto-iris Lens: Video or DC Driver; Selectable

Lens Mount: CS Mount, With CMountAdaptor

Power Supply: 12VDC ±10%

Power Consumption: 2,2W, 185mA

Working Temperature: -10° to +50°, RH 95%

Storage Temperature: -20° to +60°, RH 95%

Dimensions: 115mm(L)*45mm(W)*45mm(H)

Weight: 300 gr (without lens)