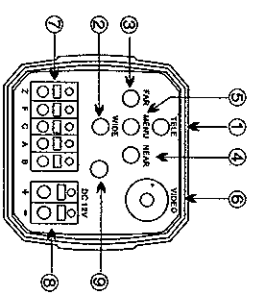


Features

- **High Resolution**
This camera using a high density CCD, which provides clean, noiseless and reliable pictures
- **22x (27x) Auto Focus**
22x optical zoom - 3.9mm - 85.8mm
27x optical zoom - 3.2mm - 86.4mm
- **Screen Menu/Line control/RS-485 Control**
Remote control operations are possible through RS-485 signal interface also can control the lens by outline.
- **Day& Nigh Function (selectable)**
- **Auto Focus**
Camera can focusing auto from 0.1m to limitless distance
- **Install IR Color Filter (selectable)**
It can install IR color filter which can response infrared rays, it can express fully the function of the day & night.

Configuration

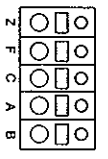
Back board sketch map :



Function switch

- ① TELE
- ② WIDE
- ③ FAR
- ④ NEAR
- ⑤ MENU ON/OFF
- ⑥ Video Output
- ⑦ Line control & RS-485 Control
- ⑧ Power supply DV12V input
- ⑨ Power state LED

Control interface

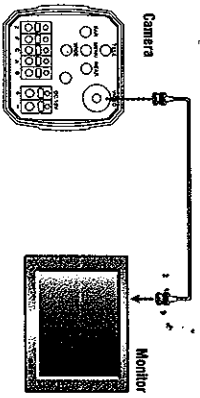


- Z: ZOOM
- F: FOCUS
- C: COM
- A: RS485+
- B: RS485-

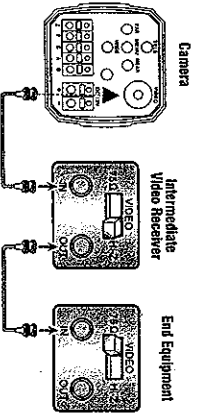
Installation

1. Connecting to Monitor

Connect the video out jack on the back of the product to the monitor.



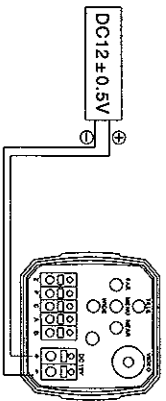
- The method of connecting the camera to a monitor varies depending on the model. Please refer to the manual for your model.
- Connect the camera after switching off each piece of equipment.
- Change the 75Ω/Hi-Z conversion switch of each piece of equipment according to the following diagram- move the switch of the intermediate video receiver to Hi-Z, and the end equipment to 75Ω.



Installation

2. Power supply and signal wire

AC power pack out put and camera power supply input connecting as follow:



- **Attention:**
Please take the attention on pole before connect power supply
Please finish any other setting before power supply
AC power supply needs other purchase

OSD Menu Function

-How to operate

1. press the MENU ,the OSD menu will show on the screen of the monitor
2. switch the FAR and NEAR to change the state and parameter which you choose
3. press the WIDE to next parameter , or press the WIDE to next parameter
4. press the MENU to exit the menu

-Parameter set

1. LANGUAGE-----ENGLISH
2. ID NUM-----000
3. Address code range of camera:000-255
120-240:Choose the value between 120-240
Without IR: Ex work value is 200 (Noise reach the lowest condition)
IR camera: Ex work value is 240 (IR effect will be better in night)
4. BLC-----OFF
Backlight compensation ON/OFF
5. SHUTTER-----OFF
AUTO shutter
1/50-1/12000s by manual shutter
6. FOCUS-----AUTO
AUTO Focus
MANU Focus
7. BAUDRATE-----9600
Baudrate is 2400/4800/9600 selectable
8. IR CUT-----AUTO (Specialize on IR cut camera)
AUTO: According to the light, IR cut open automatically
ON: Color mode
OFF: Color mode
9. DEFAULT-----OFF
OFF: Normal mode
ON: Return to Ex work date

Specifications

Mode	Color	Day&Night	With IR
Pickup device		1/4" SONY CCD	
Power supply		DC12V ±10% (3 SWRS)	
Sync. Mode		PAL 50Hz Inter Sync	
Horizontal Resolution		420 TV Lines/480 TV Lines/540 TV Lines	
Minimum Illumination	0.1LUX/ f 6	0.1LUX/ f 6(color) 0.01LUX/ f 6 (night sensor)	0.1LUX/ f 6 (color) 0.01LUX/ f 6 (night sensor)
Video Output		1.0Vp-p 75Ω	
S/N Ratio		> 48db	
Focal length		3.9mm-35.9mm (3.2mm-28.4mm)	
Zoom Times		Optical Zoom 22x (27x)	
Focus Control		Auto/Manual/Key Auto	
iris control		AUTO	
Screen menu		Address Code, Gain control, Electronic Shutter, BLC, Focus Control	
Electronic shutter		1/50-1/10000second	
White Balance Control		Auto (ON/OFF)	
Operation Temperature		-10°C-+50°C	
Operation Humidity		0%-96%	
Control Method		Screen Menu /Line Control/ RS-485 Infrared Control	
Protocol		Pelco-D	
Baud rate		2400/4800/9600	
Dimension		58mmx58mmx103mm	

* Design and specifications are subject to change without notice.

Specifications

Mode	Color	Day&Night	With IR
Pickup device		1/4" SONY CCD	
Power supply		DC 12V ±10% 2.5Watts	
Sync Mode		NTSC 60Hz Inter Sync	
Horizontal Resolution	420TV Lines/80TV Lines	640TV Lines	
Minimum Illumination	0.1LUX/1.6(Colour) 0.01LUX/1.6(B/W) (Infrared Sensor)	0.1LUX/1.6(Colour) 0.01LUX/1.6	
Video Output		> 48db	
S/N Ratio		> 48db	
Focal Length		9mm-85.8mm (32mm-363mm)	
Zoom Times		Optical Zoom 22x (Z73)	
Focus Control		Auto Manual/EV/Auto	
Iris control		AUTO	
Screen menu		Address Code, Gain Control, Electronic Shutter, BLC, Focus Control	
Electronic shutter		1/50-1/10000second	
White balance control		Built-in (ON/OFF)	
Operation Temperature		-10°C--50°C	
Operation Humidity		0%-96%	
Control Method		Screen Menu/Line Control/ RS-485 Interface Control	
Protocol		RS-485	
Baud rate		2400/4800/9600	
Dimension		58mmX59mmX105mm	

* Design and specifications are subject to change without notice.

Product Warranty Card

According to warranty formulation, Customer may obtain warranty service by free during the Product Warranty Period if in the normal broken or quality problem.

Warranty specification

1. Please present this Warranty Card, when you need product service which caused by product quality.
2. Does not accept the maintenance which caused by re-equips or installs the other functions on original product.
3. Does not modify the warranty card, or will consider as invalid.
4. The maintain center will check the product number & warranty card before maintain.
5. Please takes care of warranty card properly, does not make up.

The situation does not maintain by free as follow:

1. Maintenance without validly invoice & three included certificate.
2. Change, maintain, check, spares which caused by normal fret
3. Broken caused by drop, press, watering, welding & any other manmade reasons.
4. Broken caused by natural lightning strike flood, fire, lightning strike etc.
5. Broken caused by didn't use according to product use guide.
6. Product maintain by unauthorizedly maintain center.
7. Models, number, manufacturing number have been changed or blurred.
8. The change above according to new rule of our company.