

Colour SONY CCD High Resolution Camera

ITEM NO.: C4113D

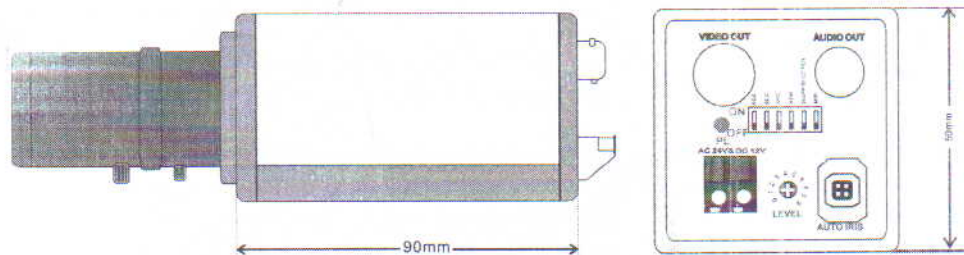
FEATURES:

- 1/3" Colour Sony CCD
- Auto iris DC
- Auto electronic shutter (AES)
- Auto white balance(AWB)
- NTSC or PAL system
- 480TV Line B/W : 520 TV Line
- Slow-Shutter
- Auto gain control (AGC)
- Dual power input 12VDC/24VAC
- Star-licht 0.001Lux

OVERVIEW:

Noun explanation:

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|----------------------------------|---|
| AI: Auto IRIS | SL : Slow-Shutter |
| BLC: Back Light Control | AES: Auto Electric Shutter |
| ATW: Auto Trace White | AGC: Auto Gain Control |
| MWB: Manual White Balance | IRE: Level of video signal |
| AWB: Auto White Balance | Y/C: Luminance (Y) & Chrominance (C) |



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|----------------------------|----------------------------|
| 1 FOCUS LOCK | 2 AUTO IRIS CONNECTOR |
| 3 IRIS ADJUST LEVEL | 4 DC/VIDEO DRIVER SELECT |
| 5 VIDEO OUTPUT | 6 FUNCTION SETUP |
| 7 AUDIO OUTPUT | 8 LED TO INDICATE POWER ON |
| 9 POWER INPUT(DC12V/AC24V) | |

	Select AI(Auto IRIS) mode or AES Select BLC or not Select AGC or not Select ATW or AWC Select Slow-Shutter mode or not Select Mirror or not
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PRECAUTION

In case of problem

Do not use the camera if fume, smoke or a strange odor emitted from the unit, or if it seems not functioning correctly. Disconnect the power cord immediately, and consult your dealer.

Do not open or modify

Do not adjust or modify the camera's internal circuits or power supply modules, as it may be dangerous and cause damage to the unit. For internal settings and repairs, consult our dealer.

Do not put Objects inside the unit

Make sure that no metal objects or flammable substance get inside the camera that may cause damage to the unit. If water or a liquid get inside the camera, disconnect the power cable immediately, and consult your dealer. Be careful to protect the camera from direct exposure to weather, rain, etc.

Be careful when handling the unit

Do not drop the camera or subject it to strong shock or vibration.

Install away from electric or magnetic fields

It may interfere with or distort the image when install close to an electric or magnetic fields. Ex: TV, Speaker, etc.

Protect from humidity, dust and high temperatures

Do not install it where there is greasy smoke or steam, where the moisture may get too high, or where there is a lot of dust.

Do not install close to stoves, or other heat generating devices, such as spotlights, etc...

Avoid places where there is direct sunlight.

Cleaning

Do not directly touch the CCD element. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.

INSTALLATION

● MOUNTING THE LENS

C/CS MOUNT LENS TYPE

1. Remove the protective cap from the camera's lens mount
2. Install the C-mount adapter on the camera lens mount if use C-mount lens.
3. Carefully align the CS/C Manual lens into the camera lens mount and turn clockwise slowly until it is firmly attached.

NOTE: Original camera is designed for CS mount lens type.

Auto IRIS LENS TYPE

1. Remove the protective cap from the camera's lens mount
2. Install the C-mount adapter on the camera lens mount if use C-mount lens.
3. Carefully align the CS/C Manual lens into the camera lens, mount and turn clockwise slowly until it is firmly attached.
4. Insert the cable Plug into the lens terminal socket located behind of the camera body. IRIS connector define see following fig.

IRIS JACK	Video LENS	DC-LENS
P1	×	DUMP-
P2	×	DUMP+
P3	×	DRIVE+
P4	×	DRIVE-



5. Set the IRIS switch to DC position if use DC driver IRIS lens. Set the IRIS switch to Video position if use Video driver IRIS lens.

● POWER SUPPLY

1. Before turning on the power to the camera, ensure that the lens is fitted onto the camera to avoid damage to the exposed CCD chipset.
2. It must to use regulated power to camera, unregulated power maybe damage the camera.
3. It needs to pay attention to pole of power when use DC power to terminal input, otherwise camera will be burn down.

● CONNECTION

1. Connect video output and Audio output to the Video /Audio input of monitor or VCR.
2. Connect power to power input then turn on the power
3. Adjust the lens and camera's setting to get the best image.

SPECIFICATION:

Model Number	C4113D
Type	Colour (Day/Night)
Signal System	NTSC/PAL
Pick Up Device	1/3" Sony Hi-Resolution CCD
Picture Elements	NTSC: 811(H)X508(V) PAL: 795(H)X596(V)
Resolution	more than 480TV Lines B/W : 520 TV Line
Mini Illumination (F1.030IRE)	0.001Lux (Slow-Shutter 32X)
Vertical Frequency	NTSC:60Hz PAL:50Hz
Horizontal Frequency	NTSC:15734Hz PAL:15625Hz
Clock Frequency	NTSC:28.636MHz PAL:28.375MHz
Scanning System	2:1 Interlace
Sync System	Internal
S/N Ratio	60dB (type) (AGC OFF)
Electronic Shutter (Slow-Shutter 32X)	AES: NTSC 1/2-1/120,000 sec PAL 1/2-1/120,000 sec
White Balance	ATW :auto trace white Balance AWC: Automatic White balance Control
Black light compensation	ON or OFF
Gain Control	0~18Db
GAMMA	0.45
Lens driver	DC
Video output	1.0Vp-p(75Ω BNC)
Power supply	DC12V or AC24V (±10%)
Power Consumption	5W
Dimension L x W x H(mm)	110mm X 50mm X 50mm
Weight	550g
Storage Temperature	-30~+60°C
Operating Temperature	-10~+45°C

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE