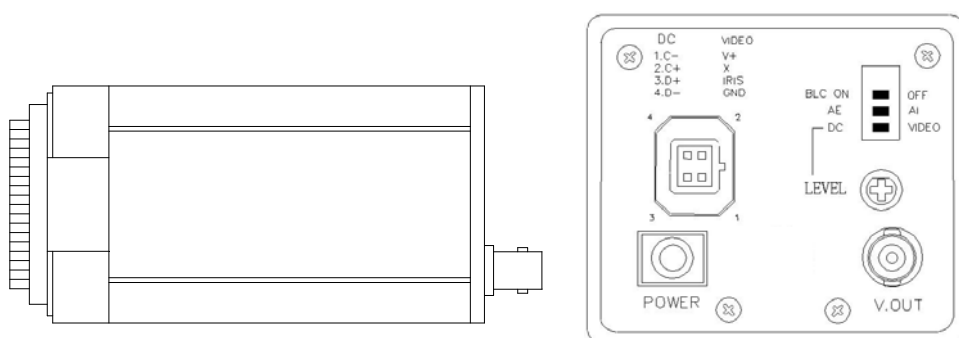


CCD Box Camera – CAM-BX42



■ Packet Content

- 1 x CAM-BX42
- 1 x L-type Wrench
- 1 x Quick Installation Guide

■ Features

- 1/3" SONY CCD sensor
- Horizontal resolution with 420TVL
- Min. illumination 0.05 lux @ F1.2
- Supports both C and CS lens
- Support both DC-drive and Video-drive auto iris lens
- Employs Digital Signal Processor (DSP) chip-set for image control
- Pixel number: NTSC=270K / PAL=320K (Normal Resolution)
- High sensitivity, low smear, high anti-blooming and high S/N ratio
- Powerful functions: Auto Electronic Shutter (AES), Auto Iris Control(AIC), Auto Gain Control (AGC), Auto White Balance (AWB), Back Light Compensation (BLC)
- Supports Auto Iris Lens: both Video-Drive & DC-Drive lens
- Built-in Anti-Aliasing and IR-cut optical filter

■ Installation

1. Connect a suitable lens to CAM-BX42. If it is an auto-iris lens, please also connect the auto-iris connector and select DC or Video drive with the control switch on rear panel. For DC drive, you may adjust the DC LEVEL screw to make this lens be drive properly.
2. Please fix the CAM-BX42 to a suitable location with a stand.
3. Adjust the camera to the correct direction.
4. Connect Video Output connector to your DVR or CCTV system.
5. Connect a DC 12V power adapter to the Power Input connector.

Note: Before connect power adapter to camera, please make sure the power output voltage is DC 12V (max. $\pm 10\%$). If you can not sure this part, we will suggest to use a DC 12V Switching power adapter. It can provide stably power output.

Connector Definition

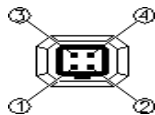
Connector	Description
Auto Iris Connector	Connect to DC-drive / Video-drive auto iris lens
Power IN	Connect to DC 12V power adapter.
Control Switch	BLC(ON/OFF): Enable / Disable the back light compensation control
	AE/AI: Switch to AE / AI
	DC/Video: Switch to DC-drive / Video-drive auto iris lens control
VR Adjustment level for DC Drive Lens	Use to adjust video output level of DC-drive auto iris lens.
Video Output	BNC connector for analog video output

Auto Iris function

When use the Auto Iris Lens, the control switch should be in position AI to disable AES function. Before plug the enclosed miniature 4 pins to IRIS connector, please check the type of Auto Iris Lens, and also the compatibility on the polarities.

- If the Auto Iris Lens is DC DRIVE, the control switch should be in position DC DRIVE. Adjust the LEVEL with the VR to proper.
- If the Auto Iris Lens is VIDEO DRIVE, the control switch should be in VIDEO DRIVE position.

When using the Manual Iris Lens the switch is depend on application environment. Set control switch to BLC to enable BLC function.



	DC"	VIDEO
Pin1	Drive-	Volt +
Pin2	Drive+	N.C
Pin3	Damp+	IRIS
Pin4	Damp-	GND

■ Specification

Image pick-up device	SONY 1/3" CCD Normal Resolution
Effective Picture Elements	NTSC: 510*492, PAL: 500*582 (H*V)
Horizontal Resolution	420 TVL
Minimum Illumination	0.05 LUX @ F1.2
Auto Electronic Shutter	ON : NTSC:1/60s~1/100,000s, PAL:1/50s~1/110,000s OFF :NTSC:1/60s, PAL:1/50s
Signal To Noise Ratio	More than 50dB (AGC Off)
Auto Iris Control	Video-Drive Lens & DC-Drive Lens both supported
Gamma Characteristic	0.45
Lens Mount	C or CS mount adjustable
Gain Control	Automatically
White Balance	Automatically (2500K~9500K)
Back Light Compensation	ON/OFF Switch-able
Synchronous System	Negative sync. Internal
Video Output	1 Vp-p Composite Video / 75 Ohms. BNC connector.
Power Request	DC12V/ 400mA , 50/60 Hz
Power Consumption	3.5W
Operating Temp.	-10℃ to 50℃ (14°F to 122°F)