



CX-480 Camera Users Manual and Installation Instructions

I. General

The basic CX480 1/3" Color CCD camera has excellent picture quality. The fundamental design is the most cost effective choice for the security surveillance system.

II. Precautions

- Do not expose the camera to humidity and dust. If the camera is mounted outdoor, a camera housing is required.
- Do not disassemble it or place it on an unstable base.
- Do not touch the surface of CCD sensor by hand directly. Use a soft cloth to remove the dirt from the camera body. Use lens tissue or a cotton tipped applicator and ethanol to clean the camera lens and CCD sensor.
- Never face the camera toward the sun.
- Use proper power source otherwise the camera will not function correctly.

III. Installation Instructions

1. Remove the cover cap from the top of the lens mount.
2. If C mount lens is used, please fix the C Mount Ring (the 5mm thick ring attached in the accessory bag) to the top of the lens mount before mounting the lens.
3. Screw the lens firmly onto the lens mount.
4. Connect the video output of the camera to a color monitor or other video device through a 75 ohm type coaxial cable with BNC female connector at camera end.
5. Plug the power cord to the outlet. Power indicator LED should light if the power source is properly connected.
6. Once the image appears on the monitor, adjust the focus and diaphragm of the lens to obtain the best picture.
7. If the subject is not in focus when adjusting focus of the lens, do back focus adjustment as follows:
 - a. Set the focus ring of the lens to infinity position.
 - b. Take picture of subject at a distance more than 20 centimeters away from the camera.
 - c. Loosen the lens mount fixing screw located at bottom of the front panel by using the L wrench.
 - d. Turn the lens and the mount together so that the subject is in focus.
 - e. Secure the lens mount fixing screw firmly against.
8. Mount the camera on the mounting bracket by using the mounting hole at bottom of the front panel. If top mounting is required, fix the top mounting base on top of the camera with two screws and then mount camera to mounting bracket.

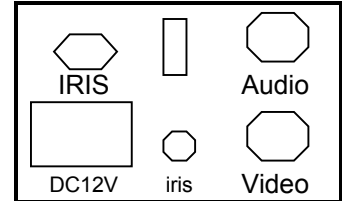
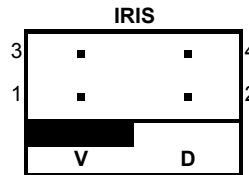


Using Special Features

Using the Auto IRIS Lens

For video drive auto iris lens, please set switch to V. For Direct Drive iris lens, set switch to D. Wire the cable of lens to Mini Plug according to the following table:

	Pin 1	Pin 2	Pin 3	Pin 4
Video Drive	+12V	GND	VD-IRIS	GND
Direct Drive	Cnt-	Cnt+	Drv+	Dvr-



For Direct Drive iris lens:

Brightness Lever can be adjusted from the IRID level VR on the back panel.

- Turn counterclockwise to L to get darker picture
- Turn clockwise to H to get brighter picture

Specifications

Pickup Device:	1/3 inch interline transfer color CCD
Picture Element:	NTSC: 752 (H) x 582 (V) PAL: 768 (H) x 494 (V)
Horizontal resolution:	480 TV lines
Sensitivity:	0.2 lux/F=1.2
S/N ratio:	Over 48 dB
Electronic shutter:	up to 1/100,000
Auto White Balance:	Yes
Gamma Correction:	> 0.45
Vido Output:	1.0Vp-p, 75 ohm
Power source:	DC12VDC
Sync. Mode:	Internal Sync.
Lens:	Board lens f+3,6mm, F=2.0
Dimension:	40(W) x 45(H) x 95(D)