

VIDEOLOGY[®]
IMAGING SOLUTIONS INC.



BOX CONTENTS

1. 20D739S NTSC or 21D739S PAL Color Camera
2. Mounting Plate attached to housing with 2 screws. (movable for top mounting)
3. Operation manual

SAFEGUARDS & WARNINGS

1. Read instructions before operating camera.
2. Avoid mounting in direct sun light.
3. Installation and repair should be undertaken by authorized personnel only.

INSTALLATION TIPS

If the camera is to be mounted outdoors, or in hot, humid, or otherwise harsh environments, a secondary enclosure should be used.

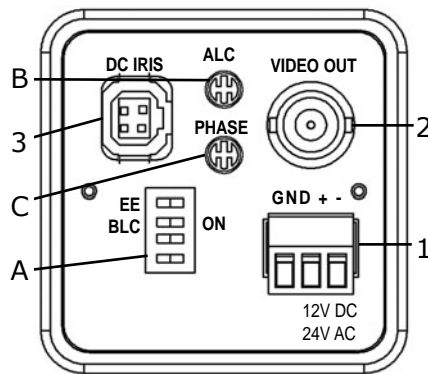
APPROBATIONS

FCC Class A, CE

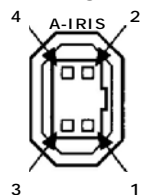
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

CONNECTORS / CONTROLS

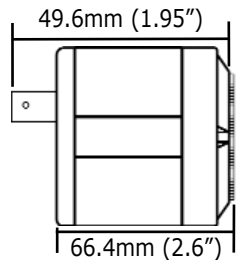
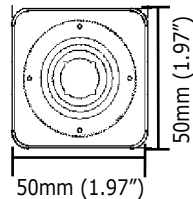


Pin Assignment



DC Auto Iris (DC)

1. Control -
2. Control +
3. Drive +
4. Drive -



CONTROLS

- A.** 2 Position Dip Switch:
Electronic Iris On (Left)
DC Auto Iris On (Right)
Backlight Compensation On (Right)
Backlight Compensation Off (Left)
- B.** ALC Potentiometer for DC Iris adjustment.
- C.** Phase adjustment for Line Lock.

Note: When AC is supplied to the camera, it will automatically go into a line lock synchronization mode.

CONNECTORS

1. The camera has a 3 position terminal block located at the rear. It can accept either 24VAC or 12VDC inputs and is not polarity sensitive.
2. Composite Video Output. This is a standard Male PC mounted BNC connector.
3. DC Iris. This is a standard 4 position DC Iris connector.

SPECIFICATIONS

Electrical:	
CCD Sensor	1/3" Interline CCD
Active Pixels	768 H x 492 V (NTSC) 752 H x 585 V (PAL)
Resolution	>480 TVL
Sensitivity	0.5 Lux (30 IRE) AGC Max
Signal to Noise Ratio	>48dB
Gamma	0.45
Gain	Automatic
Synchronization	Internal or Line Lock V-Phase adjustable 0-300°
Backlight Compensation	Default off, on via dip switch
White Balance	Auto 2300 to 7500 K
Shutter Speed (fixed)	1/50 ~ 1/100,000 (PAL) 1/60 ~ 1/100,000 (NTSC)
Iris Signal	Electronic (default) or direct drive w/ 4 pole connector via dip switch
Video Output	1Vp-p 75 ohms
Power Supply	12 - 28VAC 50/60Hz 10.8 - 39VDC polarity independent
Power consumption	<2.5W

BACK FOCUS ADJUSTMENT

Adjust the back focus only if the lens is not operating within its specified focal range (i.e. 1.0m ~ infinity).

1. With a allen wrench (not supplied), loosen the two lock screws on the front panel.
2. Loosen the large, flat locking ring.
3. To properly back focus the lens, turn the small back focus ring counter-clock-wise to reduce the focal length, or clock-wise to increase the focal length, until the desired focus is attained.
4. Tighten the locking ring to secure the back focus ring.

