

# SONY®

SINGLE CHIP CCD COLOR VIDEO CAMERA

## DXC-190



### OUTLINE

Ideal for high-end surveillance, point-of-view, industrial microscopy and ID badging applications, the DXC-190 is a compact and lightweight 1/2 type DSP CCD color video camera which incorporates Exwave HAD™ technology. With its high resolution of 470TVL and minimum illumination of 0.8 lux at F1.2, the DXC-190 produces images with high picture quality and color accuracy. The DXC-190 features backlight compensation and Smart Control® functions that ensure the camera captures clear images even if the visual field of the camera varies or amount of light changes between day and night. The DXC-190 accepts both C and CS mount lenses.

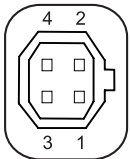
### FEATURES

- 1/2 type CCD with Exwave HAD technology
- Digital Signal Processing (DSP) for powerful picture contrast control
- High Sensitivity: F8 @ 2000 lux
- Minimum Illumination: 0.8 lux @ F1.2
- High Resolution: 470 TVL
- C and CS Mount Adjustable
- Smart Control Backlight Compensation
- VBS Genlock
- Intelligent ATW ("ATW Pro")
- Y/C and VBS Output
- Easy Installation

## SPECIFICATIONS

<b>Image Device</b>	1/2 type Interline Transfer Exwave HAD CCD
<b>Sensing Area</b>	1/2 type format (6.3 x 4.7mm)
<b>Picture Elements</b>	768 (H) x 494 (V)
<b>Horizontal Resolution</b>	470 TV Lines
<b>Signal/Noise</b>	50 dB
<b>Sensitivity</b>	2000 lux @ F8
<b>Minimum Illumination</b>	0.8 lux at F1.2 (50 IRE, Turbo AGC ON) 0.4 lux at F1.2 (30 IRE, Turbo AGC ON) 3.0 lux at F1.2 (100IRE, Turbo AGC ON)
<b>CCD Iris Control</b>	ON / OFF switchable 1/60 to 1/100,000 second
<b>Electronic Shutter</b>	8 levels: 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
<b>Lens Type</b>	VIDEO/DC servo switchable
<b>Power Requirement</b>	DC12V $\pm$ 10%(from CMA-D2) DC24V $\pm$ 5V(from YS-W170/270) for DC Multiplex
<b>Power Consumption</b>	DC12V from CMA-D2: 4.5W DC24V from YS-W170/270: 5.5W
<b>Scanning System</b>	525 Lines, 2:1 Interlace
<b>Synchronization</b>	INT, VS/ VBS, MPX-VS H-Phase $\pm$ 0.12H SC phase adjustment (360° with 0/180° switch)
<b>AGC</b>	TURBO/NORMAL/OFF switchable
<b>White Balance</b>	AWB/5600K/ATW/ATW Pro switchable
<b>Video Signal</b>	1.0 V peak to peak at 75 Ohms, sync negative Y : 1.0 V peak to peak at 75 Ohms C : C level depends on the composite video out signal
<b>Aperture</b>	Normal/Sharp switchable
<b>Lens Mount</b>	C/CS Mount - Adjustable
<b>Dimension</b>	64(W) x 57(H) x 137(D) mm (2 5/8 x 2 1/4 x 5 1/2 inches)
<b>Weight</b>	600g
<b>Operating Temperature</b>	-10°C to + 50°C (14° F to 122°F)
<b>Humidity</b>	20% to 80%, Non-condensing

## Connector Pin Assignments



Pin	DC Servo	Video Servo
1	Control (-)	Power (DC9V, 50mA)
2	Control (+)	Not connected
3	Drive (+)	Video (0.7V p-p)
4	Drive (-) (GND)	(GND)

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