

SONY®

3-CCD Color Video Camera

DXC-390 DXC-390P



The Sony DXC-390/390P is a 1/3 type DSP 3-CCD color video camera which incorporates Exwave™ HAD technology — a new Sony technology that greatly improves camera sensitivity while reducing smear. Providing a resolution of 800 TV lines and high S/N ratio, the DXC-390/390P is ideal for applications such as microscopy and machine vision, where picture accuracy and detail are important. A user friendly on-screen menu allows for simple control of various features including DynaLatitude™, Partial Enhance, and a wide selection of Automatic Exposure (AE) modes. Moreover, the DXC-390/390P is very compact and light weight, making it easy to install.

Preliminary

Features

- 1/3 type IT 3-CCD
- C mount
- Exwave HAD technology provides excellent sensitivity and low smear levels
- Compact and light weight
- Superior picture quality by using DSP (Digital Signal Processor) technology: High resolution of 800 TVL and S/N ratio of 62 dB (NTSC), 61 dB (PAL)
- High Sensitivity of F8 at 2000lx
- Scene Files and User Files
- Powerful picture contrast controls: DynaLatitude, Dynamic Contrast Control Plus (DCC+) and Black Stretch
- Several enhance controls: Detail, Linear Matrix and Partial Enhance
- Shading compensation
- Wide selection of Automatic Exposure (AE) modes, including User Defined
- Hyper Gain (+30 dB)
- RGB, Y/C and composite video outputs
- Full control of functions accessible from the side panel or the optional RM-C950 Remote Control Unit
- Extended Genlock (VBS Genlock and HD/VD in/out) and Synchronization capabilities (Strobe, WEN)
- RS-232C controllable



Optional Accessories

CMA-D2/D2CE Camera Adaptor

- Supplies DC power and transmits video/sync signal between the adaptor and the DXC-390/390P with CCMC 12-pin multi-core cable
- Dimensions: 210 (W) x 50 (H) x 200 (D) mm



CMA-D3/D3CE Camera Adaptor (New)

- Supplies DC power and transmits video/sync signal between the adaptor and the DXC-390/390P with CCZ-A cable and CCMC-3MZ cable
- Connects with optional RM-C950 remote control unit
- AC IN/DC IN
- Composite, Y/C or RGB video signal output
- Dimensions: 210(W) x 44(H) x 210(D) mm



RM-C950 Remote Control Unit

- Full remote control of the DXC-390/P camera functions and lens zoom/focus/iris functions via RS-232C
- Dimensions: 212 (W) x 41 (H) x 132 (D) mm



VCL-610WEA C-mount lens (New)

(F1.4, 6.5 to 65 mm)

VCL-614WEA C-mount lens (New)

(F1.4, 5.5 to 77 mm)

DXC-390/P Specifications

Pick-up device	1/3 type IT (Interline Transfer) CCD
Effective picture elements	NTSC: 768 (H) x 494 (V) PAL: 752 (H) x 582 (V)
Sync system	Internal or External with VBS, HD/VD (Automatic Switching)
Phase control	H/ SC phase control
Horizontal resolution	800TV lines
Lens mount	C mount
Sensitivity	F8.0 at 2000 lux
Minimum illumination	4 lux (F2, GAIN: HYPER)
S/N ratio	NTSC: 62 dB PAL: 61 dB
Output signal	VBS, Y/C, RGB
Power requirements	DC 10.5 V to 15.0 V

Power consumption	Approx. 7.6 W
Dimensions	50 (W) x 56 (H) x 128 (D) mm (Excluding projecting parts)
Weight	Approx. 370 g
Connectors	Lens (6 pin) RGB/SYNC (9 pin D-sub) DC IN/VBS (12 pin) VIDEO OUT (BNC) TRIGGER IN (BNC) REMOTE (8 pin mini DIN)
Supplied accessories	Lens cap Tripod adapter Operation manual (Additional panel sheet for RM-C950)

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