1/3" HIGH RESOLUTION DSP COLOR CAMERA

SSC-DC10/14

1/3" Hyper HAD® CCD high resolution imager
- Provides 470 lines of horizontal resolution
- Digital Signal Processing with Smart Control (Automatic backlight compensation & ATW PRO)
- ATW modes: ATW PRO and Wide Range ATW (2,000°K to 10,000°K)
- Accepts video or DC type auto-iris lenses
- Wide range CCD Iris®: 1/60-1/100,000 sec
- High sensitivity -1.7 lux at f1.2, 50 IRE
- C/CS mount
- Internal/External sync selection
- AC 24V line lock with ±90° V-Phase adjustment (SSC-DC14)
- Power, sync, video Multiplex capability with optional YS-W150/W250 (SSC-DC10)
SSC-DC10/14

1/3" HIGH RESOLUTION DSP COLOR CAMERA

SPECIFICATIONS

SSC-DC10/14

Imaging Device: 1/3" Hyper HAD Interline Transfer CCD
Picture Elements (HxV): 768 x 494
Sensing Area (HxV): 4.4 x 3.3 mm
Lens Mount: C/CS
Signal System: EIA, NTSC Color
Scanning System: 2:1 Interface, 525 lines
Sync System: Internal/External
External Sync:
SSC-DC10
V5 or Multiplex via optional YS-W150/YS-W250
SSC-DC14
AC Line lock, 60 Hz
Horizontal Resolution: 470 lines
Minimum Illumination:
Turbo AGC ON:
1.7 lux f1.2, 50 IRE
1.4 lux f1.2, 40 IRE
1.1 lux f1.2, 30 IRE
AGC ON/OFF selectable
White Balance:
ATW PRO/ ATW selectable
ATW PRO Range: 2,500°K to 6,000°K
ATW Range: 2,000°K to 10,000°K
Backlight compensation: On (Smart Control*)/Off selectable
Aperture: Normal/Sharp switchable
Video Output: 1Vp-p, 75 Ohm, sync negative
Connectors:
Power Supply: 2-pole terminals
Auto Iris: 4-pin
Video:
SSC-DC10
BNC x 2, Video out and Mon. out/sync in
SSC-DC14
BNC x 1, Video out
Power Requirements:
SSC-DC10
DC 12V, or Multiplex via optional YS-W150/YS-W250
SSC-DC14
AC 24V, 60 Hz
Phase Control:
SSC-DC10
H-Phase, ±0.25H
SSC-DC14
V-Phase, Adjustable ±90°
Power Consumption:
SSC-DC10
3.0W on DC 12V, 4.0W on YS-W150/YS-W250
SSC-DC14
4.5W
Operating Temperature: 14°F to 122°F (-10°C to 50°C)
Dimensions (WHD): SSC-DC10
2-7/8 x 2-1/4 x 4-1/3 inches (70 x 57 x 110 mm)
SSC-DC14
2-7/8 x 2-1/4 x 5-1/8 inches (70 x 57 x 130 mm)
Weight: SSC-DC10
15 oz. (430 grams)
SSC-DC14
1 lb. 4 oz. (550 grams)
Supplied Accessories:
Operation Manual
4-pin auto iris connector
Optional Accessories:
YS-W150/YS-W250:
Single/Four Channel Power Sync Multiplex
for SSC-DC50
CB-101:
Camera Bracket

*On CCD Iris mode & DC type auto iris only

© 1997 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited.
All specifications are subject to change without notice.
Sony, Hyper HAD, CCD Iris, and Nothing Escapes Us are trademarks of Sony.