

SONY

1/3" HIGH RESOLUTION DSP COLOR CAMERA

SSC-DC10/14

**1/3" HIGH
RESOLUTION DSP
COLOR CAMERA**

- 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 $\pm 90^\circ$ V-Phase adjustment (SSC-DC14)
- Power, sync, video Multiplex capability with optional YS-W150/W250 (SSC-DC10)



Hyper HAD®



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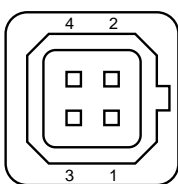


REAR PANEL VIEW - SSC-DC10



REAR PANEL VIEW - SSC-DC14

AUTO-IRIS CONNECTOR



Pin	Signal (DC auto iris)	Signal (Video type)
1	Control (-)	Power
2	Control (+)	Not Used
3	Drive (+)	Video signal
4	Drive (-)	Ground

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 Interlace, 525 lines

Sync System: Internal/External

External Sync:

SSC-DC10 VS or Multiplex via optional YS-W150/YS-W250

SSC-DC14 AC Line lock, 60 Hz

Horizontal Resolution: 470 lines

Minimum Illumination: 1.7 lux f1.2, 50 IRE (Turbo AGC ON)
1.4 lux f1.2, 40 IRE (Turbo AGC ON)
1.1 lux f1.2, 30 IRE (Turbo AGC ON)

S/N: Better than 50 dB (Weight ON)

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

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