

The XCD-SX900UV is a high-resolution black and white C-mount camera that has sensitivity in the UV area (wavelengths from 230 to 380 nm). Incorporating a new 1/2 type UV CCD, the XCD-SX900UV captures clear images of minute surface details when used with UV illumination systems. Inheriting all the excellent features of the XCD-SX900, this new UV digital camera has an IEEE 1394 digital interface, producing new levels of precise and detailed images. Its one-piece design with high shock and vibration tolerance makes the XCD-SX900UV camera easy to integrate into industrial inspection environments. The XCD-SX900UV is ideal for use in semiconductor inspection, ultraviolet microscopy, FA precision inspection and surface inspection applications.

XCD-SX900UV



Component/OEM

FEATURES

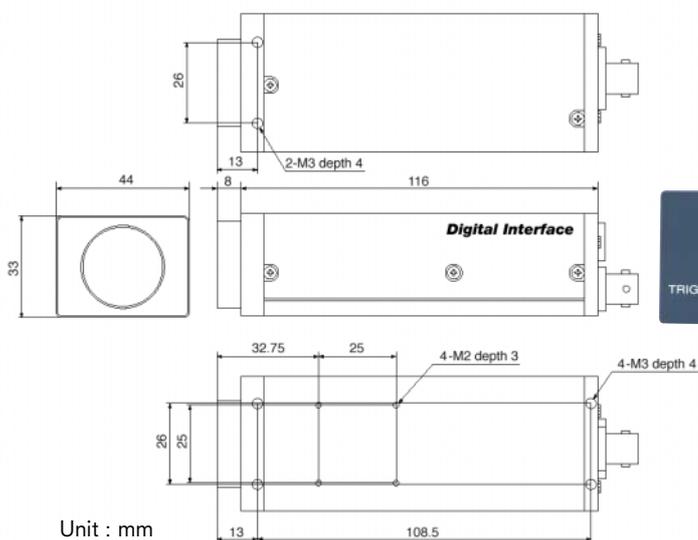
- **Ultraviolet Sensitivity:**
230 to 380 nm
- **Silica glass featuring high rate of penetration for UV wavelengths**
- **High resolution video format:**
SXGA, 1280(H) x 960(V)
- **C-mount**
- **High speed IEEE 1394 digital interface**
- **1394-based Digital Camera Specification (Ver.1.20)**
- **One IEEE-1394 cable connection for data, camera control and power supply**
- **External trigger function (BNC input)**
- **Partial scan function (16 zone selectable)**
- **High shock and vibration tolerance**

SPECIFICATIONS

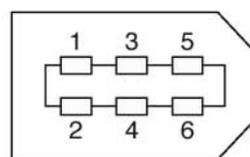
XCD-SX900UV	
Image Device	1/2 type IT CCD
Effective picture elements	1392 (H) x 1040 (V)
Video format	SXGA (1280 x 960)
Cell size	4.65 x 4.65 μm
Lens mount	C mount
Digital interface	IEEE 1394
Transfer rate	400 Mbps
Frame rate	7.5 or 3.75 frames/s
Gain control	Manual (0 to 18 dB)
External shutter	1/100,000 to 16 s* (image guarantee up to 2 s)
Shutter speed	Yes
Partial scan function	16 zones (4 x 4)
Power requirements	DC 8 to 30 V
Power consumption	3.0 W
Dimensions	44 (W) x 33 (H) x 116 (D) mm (1 3/4 x 1 1/8 x 4 5/8 inches)
Mass	250 g (9 oz)
Operation temperature	-5 to +45 °C
Storage temperature	-30 to +60 °C
Vibration	10 G (20 to 200 Hz)
Shock resistance	70 G
Regulations	UL1950, FCC Class A Digital Device, CE (EN50081-2 + EN50082-2), AS3548(A) + AS4252.1
Supplied accessories	Lens mount cap (x1), Operation instructions (x1), cable (x1)

* Note: Due to the CCD technology, some pixels defects may appear for exposure time above 2 seconds. It is user responsibility to operate the camera over 2 seconds exposure time that is considered out of standard specification.

DIMENSIONS

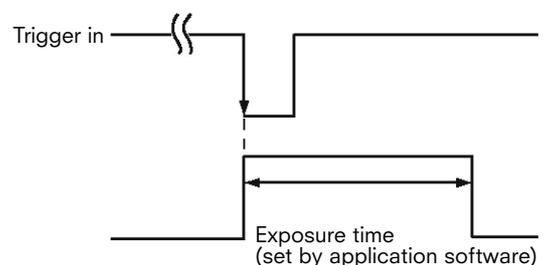


PIN ASSIGNMENT



1	Power
2	Power
3	TPB-
4	TPB+
5	TPA-
6	TPA+

TRIGGER SHUTTER



This product requires a IEEE-1394 compliant Host Adapter Card from the market to be connected. In addition, for more information about compatible IEEE-1394 software packages and latest development tools, please visit our www.sony-vision.com/1394 home page.

Product information
is available on the
Sony Home Page

Click!

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