

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

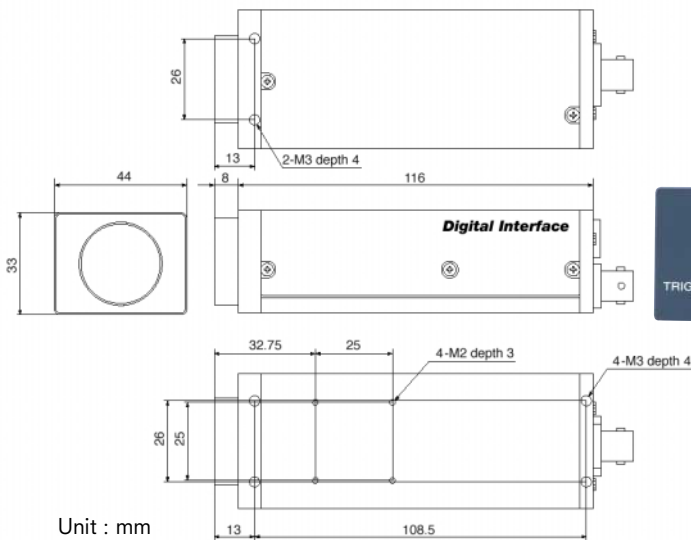
- **Ultraviolet Sensitivity:**  
230 to 380 nm
- **Silica glass featuring high rate of penetration for UV wavelengths**
- **High resolution video format:**  
SXGA, 1280(H) x 960(V)
- **C-mount**
- **High speed IEEE 1394 digital interface**
- **1394-based Digital Camera Specification (Ver.1.20)**
- **One 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

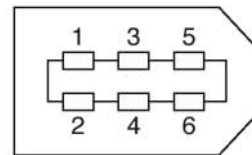
<b>XCD-SX900UV</b>	
<b>Image Device</b>	1/2 type IT CCD
<b>Effective picture elements</b>	1392 (H) x 1040 (V)
<b>Video format</b>	SXGA (1280 x 960)
<b>Cell size</b>	4.65 x 4.65 μm
<b>Lens mount</b>	C mount
<b>Digital interface</b>	IEEE 1394
<b>Transfer rate</b>	400 Mbps
<b>Frame rate</b>	7.5 or 3.75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

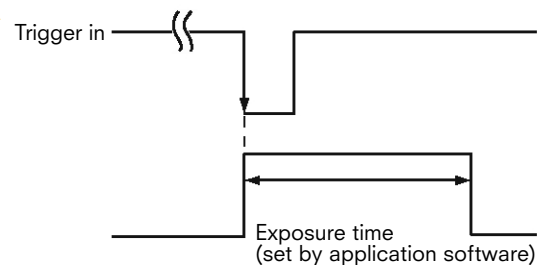


## PIN ASSIGNMENT



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](http://www.sony-vision.com/1394) home page.

Product information is available on the Sony Home Page

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