

## Features

- 0.001 lux min. illumination (AGC max.)
- High sensitivity (high gain)
- 1/2" Progressive scan CCD imager
- 1392 x 1040 active pixels
- 10-bit Camera Link digital output
- Analog output
- RS232C interface control
- <58 dB or better
- Asynchronous reset
- 15 Hz frame rate
- 25 MHz data clock
- C-mount lens



## Description

The USS-900CL is a 10-bit super sensitive digital CCD camera using progressive scan sensor. This compact and lightweight camera offers very good image quality at high gain. It's compatible with most popular frame grabbers in the market. The "user-friendly" RS-232C interface control allows users to control all camera features without physically touching the camera.

## Applications

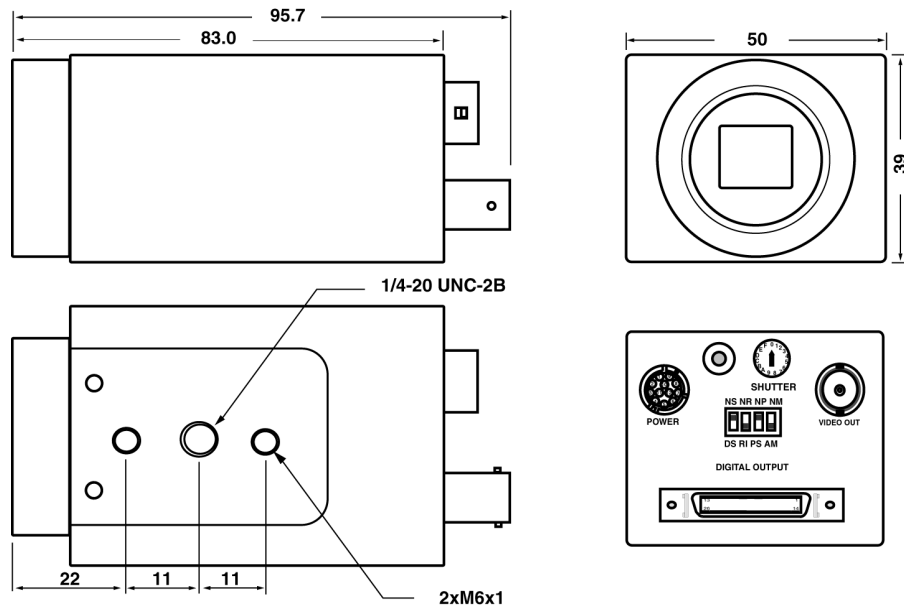
USS-900/USS-900CL applications include low light surveillance, X-ray imaging, military, and scientific uses.

## Specifications:

Model	USS-900CL
CCD Sensor	1/2" Hyper HAD progressive scan interline-transfer CCD
Chip Size	7.60 mm x 6.20 mm
Effective Pixels (H x V)	1392 x 1040 (approx. 5:4 aspect ratio)
Unit Cell Size (H x V)	4.65 mm x 4.65 mm
Pixel Clock	25 MHz (50 MHz for master clock)
Frame Rate	15 fps
Sync.	HD: 15.47KHz; VD: 14.82 Hz
Digital Video Output	Camera Link format
Analog Video Output	1 V p-p, 75ohm (BNC or 12 pin Hirose)
S/N Ratio	<58 dB
Min. Illumination	0.001 lux (AGC max.)
Gain	AGC/MGC selectable
Gamma	1.0
Electronic Shutter	1/15 ~ 1/31,000 selectable
Lens Mount	C-Mount
Operating Temperature	-10 °C ~ +50 °C
Power Requirement	12V DC, 250mA, 3.0W
Dimension	50mm x 39mm x 83mm
Ext. Sync.	Internal/External Auto Switch
Asynchronous Reset	Standard
Weight	200 g

Note: Custom cameras are available upon request.

## Dimensions:



Unit: mm

Note: Specifications are subject to change without notice