

#### Key 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 RS-644 / 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-900/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 functions without physically touching the camera.

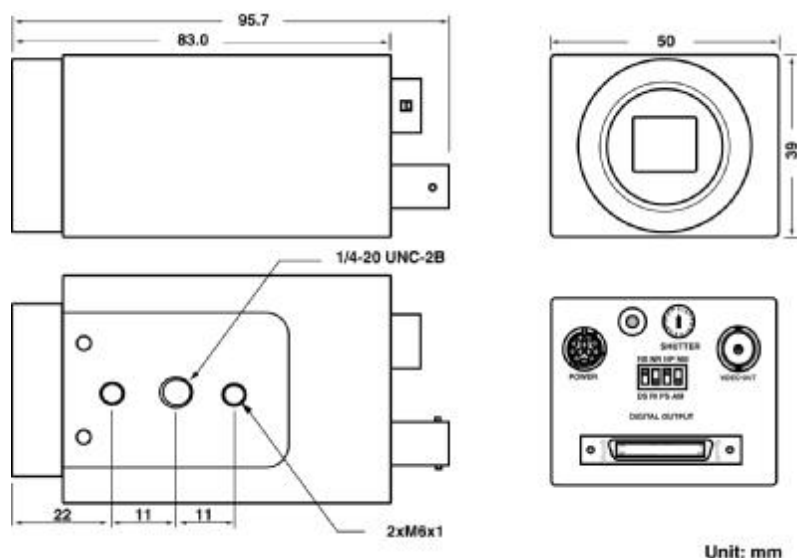
#### Applications

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

Model	USS-900	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 $\mu$ m x 4.65 $\mu$ m	
Pixel Clock	25 MHz (50 MHz for master clock)	
Frame Rate	15 fps	
Sync.	HD: 15.47KHz; VD: 14.82 Hz	
Digital Video Output	10-bit RS-644	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 $^{\circ}$ C ~ +50 $^{\circ}$ 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.

### Dimension:



Note: Specifications are subject to change without notice