

Key Features

- 1/2" Progressive Scan CCD Imager
- 1620 x 1236 active pixels
- 16 Hz frame rate
- 2 x 2 (810 x 618) Binning at 32 FPS
- 10-bit LVDS / Camera Link digital output
- Analog output
- Full frame shutter
- <58 dB
- Asynchronous reset
- 40 MHz data clock
- RS232C interface control
- C-mount lens



Description

The UP-2000/UP-2000CL is a 10-bit, high-resolution digital CCD camera using progressive scan sensor. This compact and lightweight camera offers excellent signal to noise performance. 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

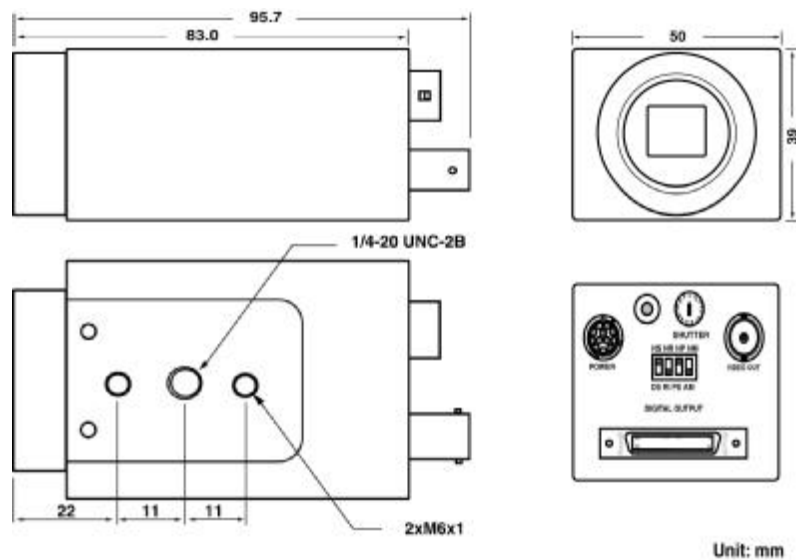
UP-2000/UP-2000CL applications include machine vision, automated inspection, motion capture and analysis, high-resolution graphics capture, medical imaging, biomedical imaging, microscopy, and other scientific and industrial applications where high resolution is required.

Specifications:

Model	UP-2000	UP-2000CL
CCD Sensor	1/2" Progressive scan interline-transfer CCD	
Chip Size	8.50 mm x 6.80 mm	
Effective Pixels (H x V)	1620 x 1236	
Unit Cell Size (H x V)	4.40 μ m x 4.40 μ m	
Pixel Clock	40 MHz (80 MHz for master clock)	
Frame Rate	16 FPS (32 FPS for 2x2 binning)	
Sync.	HD: 19.979 KHz; VD: 16.009 Hz	
Digital Video Output	10-bit RS-644/LVDS	Camera Link format
Analog Video Output	1 V p-p, 75ohm (BNC or 12 pin Hirose)	
S/N Ratio	<58 dB	
Min. Illumination	0.1 lux	
Gain	MGC	
Gamma	1.0	
Electronic Shutter	1/16 ~ 1/40,000 selectable	
Lens Mount	C-Mount	
Operating Temperature	-10 $^{\circ}$ C ~ +55 $^{\circ}$ C	
Power Requirement	12V DC, 300mA, 3.6 W	
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