

Features

- 1/2" Progressive scan CCD imager
- 659 x 494 active pixels
- 12-bit Camera Link digital output
- Full frame shutter
- <66 dB
- Asynchronous capture
- 60 Hz frame rate
(120Hz vertical binning)
- 25 MHz data clock
- RS232C interface control
- C-mount lens



Description

The UP-680CL-12B is a 12-bit 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. This high performance digital camera is ideal for high dynamic range, low noise applications.

Applications

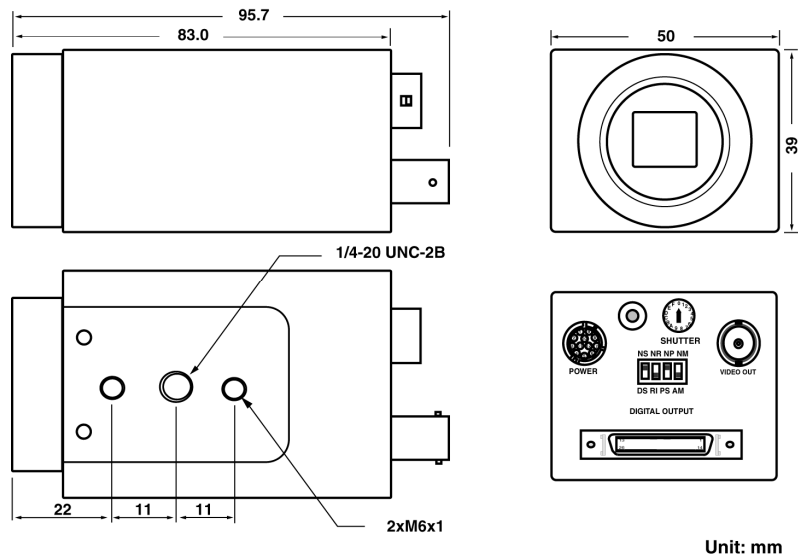
UP-680CL-12B applications include microscopy, machine vision, medical imaging, and spectroscopy where dynamic range is critical.

Specifications:

Model	UP-680CL-12B
CCD Sensor	1/2" Hyper HAD progressive scan interline-transfer CCD
Chip Size	7.48 mm x 6.15 mm
Effective Pixels (H x V)	659 x 494
Unit Cell Size (H x V)	9.9 mm x 9.9 mm
Pixel Clock	25 MHz (50 MHz for master clock)
Frame Rate	60 FPS (120 FPS Vertical binning)
Sync.	HD: 31.485KHz; VD: 59.972 Hz
Digital Video Output	Camera Link format
Analog Video Output	1 V p-p, 75ohm (BNC or 12 pin Hirose)
S/N Ratio	<66 dB
Min. Illumination	0.1 lux
Gain	MGC
Gamma	1.0
Electronic Shutter	1/60 ~ 1/62,000 selectable 16 steps
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.

Dimension:



Note: Specifications are subject to change without notice