

UNIQ

UP-1800-12B/UP-1800CL-12B

B/W Digital CCD Camera

Key Features

- 2/3" Exview HAD (NIR) CCD Imager
- 1390 x 1037 active pixels
- 15 Hz frame rate
- 2 x 2 (694 x 518) Binning at 30 FPS
- 12-bit RS-644 (LVDS) / Camera Link digital output
- Analog output
- Full frame shutter
- <66 dB
- Asynchronous reset
- 27 MHz pixel clock
- RS-232C interface Control
- C-mount lens



Description

The UP-1800-12B/UP-1800CL-12B is a 12-bit digital CCD camera using progressive scan sensor. This compact and lightweight camera offers excellent signal to noise performance at a reasonable price. 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 ideally for high dynamic range, low noise applications.

Applications

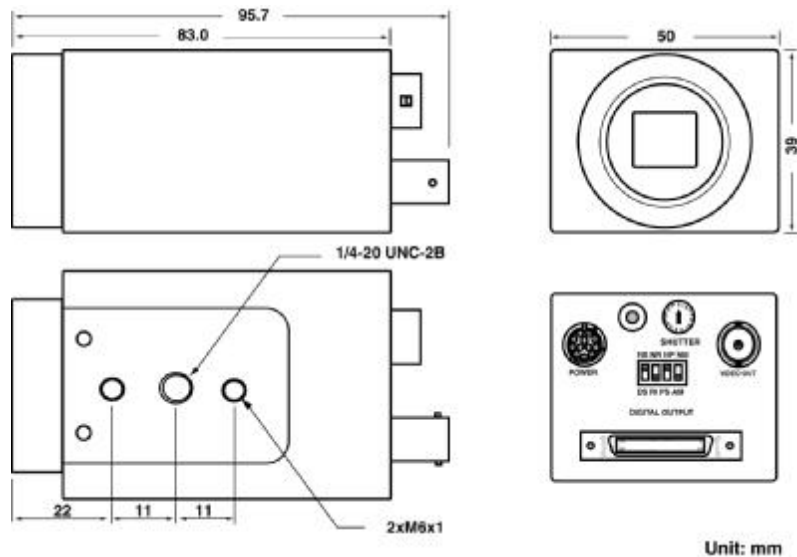
UP-1800-12B/UP-1800CL-12B applications include microscopy, machine vision, medical imaging, and spectroscopy where dynamic range is critical.

Specifications:

Model	UP-1800-12B	UP-1800CL-12B
CCD Sensor	2/3" Exview HAD progressive scan interline-transfer CCD	
Chip Size	10.20 mm x 8.30 mm	
Effective Pixels (H x V)	1390 x 1037	
Unit Cell Size (H x V)	6.45 μ m x 6.45 μ m	
Pixel Clock	27 MHz	
Frame Rate	15 FPS (30 FPS for 2x2 binning)	
Sync.	HD: 15.733 KHz; VD: 14.998 Hz	
Digital Video Output	12-bit RS-644/LVDS	Camera Link format
Analog Video Output	1 V p-p, 75ohm (BNC or 12 pin Hirose)	
S/N Ratio	<66 dB	
Min. Illumination	0.02 lux	
Gain	MGC	
Gamma	1.0	
Electronic Shutter	1/15 ~ 1/32,000 selectable	
Lens Mount	C-Mount	
Operating Temperature	-10 °C ~ +55 °C	
Power Requirement	12V DC, 280mA, 3.4 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