

## Features

- 2/3" Exview HAD\* (NIR) CCD Imager
- 1024 x 1024 active pixels
- 30 Hz frame rate
- 2 x 2 (512x512) Binning at 50 FPS
- 12-bit Camera Link digital output
- Analog output
- Full frame shutter
- <64 dB
- Asynchronous reset
- 45 MHz data clock
- RS-232C interface Control
- C-mount lens



## Description

The 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

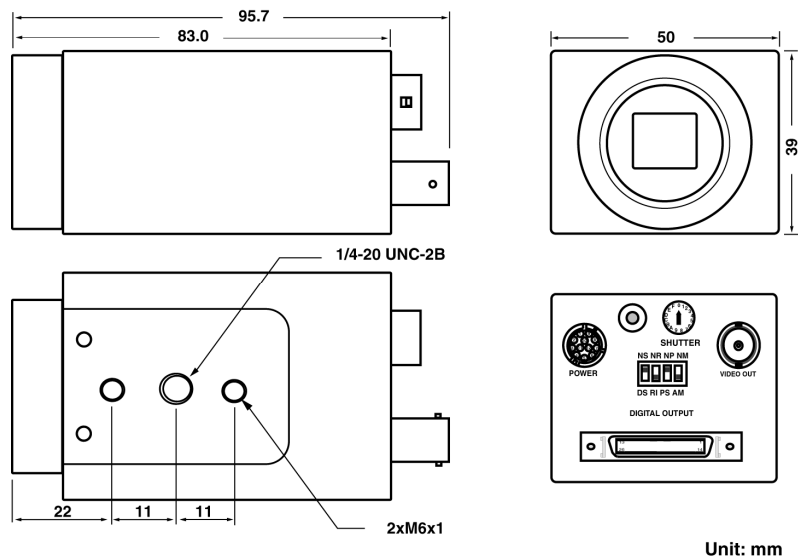
UP-1800CL-12B applications include microscopy, machine vision, medical imaging, and spectroscopy where dynamic range is critical.

## Specifications:

<b>Model</b>	<b>UP-1800CL-12B</b>
<b>CCD Sensor</b>	2/3" Exview HAD progressive scan interline-transfer CCD
<b>Chip Size</b>	10.20 mm x 8.30 mm
<b>Effective Pixels (H x V)</b>	1390 x 1037
<b>Unit Cell Size (H x V)</b>	6.45 mm x 6.45 mm
<b>Pixel Clock</b>	27 MHz
<b>Frame Rate</b>	15 FPS (30 FPS for 2x2 binning)
<b>Sync.</b>	HD: 15.733 KHz; VD: 14.998 Hz
<b>Digital Video Output</b>	Camera Link format
<b>Analog Video Output</b>	1 V p-p, 75ohm (BNC or 12 pin Hirose)
<b>S/N Ratio</b>	<66 dB
<b>Min. Illumination</b>	0.02 lux
<b>Gain</b>	MGC
<b>Gamma</b>	1.0
<b>Electronic Shutter</b>	1/15 ~ 1/32,000 selectable
<b>Lens Mount</b>	C-Mount
<b>Operating Temperature</b>	-10 °C ~ +55 °C
<b>Power Requirement</b>	12V DC, 280mA, 3.4 W
<b>Dimension</b>	50mm x 39mm x 83mm
<b>Ext. Sync.</b>	Internal/External Auto Switch
<b>Asynchronous Reset</b>	Standard
<b>Weight</b>	200 g

Note: Custom cameras are available upon request.

## Dimension:



Note: Specifications are subject to change without notice