

#### Key Features

- 108 x 80 resolution at 1000 FPS
- 160 x 120 resolution at 600 FPS
- 210 x 165 resolution at 500 FPS
- 320 x 240 resolution at 400 FPS
- Single output
- 1/3" Progressive scan CCD imager
- 10-bit RS-644 (LVDS) / Camera Link digital output
- Analog output
- <58 dB
- 40.00 MHz pixel clock
- Asynchronous reset
- RS232C interface control
- C-mount lens



#### Description

The UF-1000/UF-1000CL is a very high frame rate, 10-bit digital CCD camera using progressive scanning interline-transfer technology. Four different frame rates can be selected via mode switches located on rear plate or RS232C serial commands. High speed moving objects can easily be captured with the external asynchronous capture control. 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

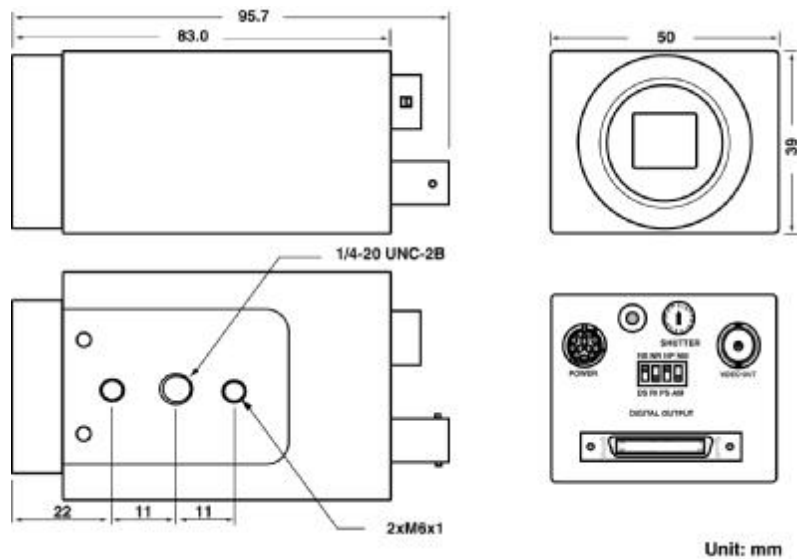
UF-1000/UF-1000CL applications include high-speed machine vision, automated inspection, and motion analysis.

## Specifications:

Model	UF-1000/UF-1000CL			
CCD Sensor	1/3" Hyper HAD progressive scan interline-transfer CCD			
Chip Size	5.79 mm x 4.89 mm			
Effective Pixels	320 x 240	210 x 165	160 x 120	108 x 80
Unit Cell Size	14.8 um x 14.8 um	22.2 um x 22.2 um	29.6 um x 29.6 um	44.4 um x 44.4 um
Pixel Clock	40.00MHz	26.67MHz	20.00 MHz	13.3MHz
Frame Rate	400 FPS	500 FPS	600 FPS	1000 FPS
Sync.	HD: 100.00 KHz VD: 400.00 Hz	HD: 88.11 KHz VD: 500.61 Hz	HD: 76.20 KHz VD: 599.93 Hz	HD: 84.04 KHz VD: 1000.4 Hz
Digital Output	10-bit RS-644 (LVDS) / Camera Link format			
Analog Output	1 V p-p, 75ohm (BNC or 12 pin Hirose)			
S/N Ratio	<58 dB			
Min. Illumination	0.5 lux			
Gain	MGC			
Gamma	1.0			
Electronic Shutter	1/60 ~ 1/62,000 selectable 16 steps			
Lens Mount	C-Mount			
Operating Temp	-10 °C ~ +50 °C			
Power Requirement	12V DC, 250mA, 3.0W			
Dimension	50mm x 39mm x 83mm			
Ext. Sync.	Internal/External Auto Switch			
Async Reset	Standard			
Weight	200 g			

Note: Custom cameras are available upon request.

## Dimension:



Note: Specifications are subject to change without notice