

Features

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



Description

The 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

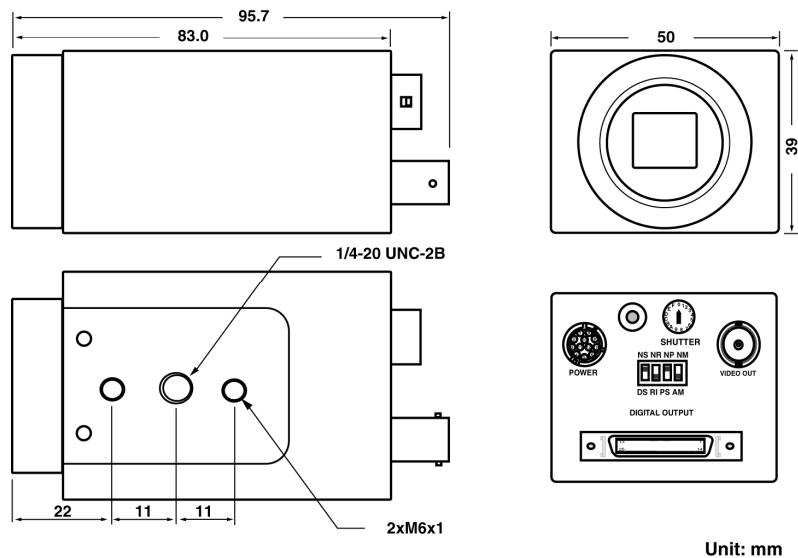
UF-1000CL applications include high-speed machine vision, automated inspection, and motion analysis.

Specifications:

| | | | | |
|--------------------|--|--------------------------------|--------------------------------|--------------------------------|
| Model | 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 | 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