

## Features

- 1/3" Progressive CCD imager
- 659 x 494 active pixels
- 10-bit Camera Link output
- Full frame shutter
- <58 dB
- Asynchronous capture
- 60 Hz frame rate  
(120Hz vertical binning)
- 25 MHz data clock
- External exposure control
- RS232C interface control
- C-mount lens



## Description

The UP-600CL is a 10-bit, 659 x 494 full frame resolution digital CCD camera using progressive scanning interline-transfer technology. The square pixels are especially suitable for processing, measuring, and analyzing tasks. 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.

## Applications

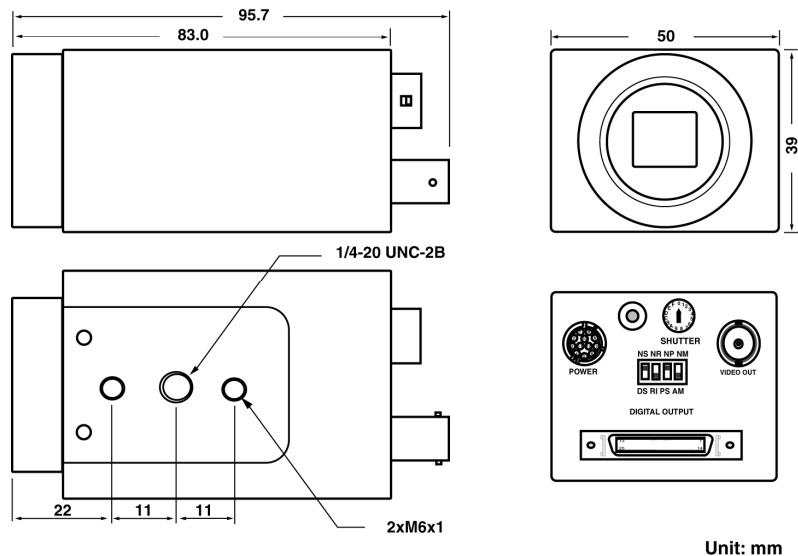
UP-600CL applications include high-speed machine vision, automated inspection, motion capture and analysis, and other industrial applications.

## Specifications:

<b>Model</b>	<b>UP-600CL</b>
<b>CCD Sensor</b>	1/3" Hyper HAD progressive scan interline-transfer CCD
<b>Chip Size</b>	5.79 mm x 4.89 mm
<b>Effective Pixels (H x V)</b>	659 x 494
<b>Unit Cell Size (H x V)</b>	7.4 mm x 7.4 mm
<b>Pixel Clock</b>	25 MHz (50 MHz for master clock)
<b>Frame Rate</b>	60 FPS (120 FPS Vertical binning)
<b>Sync.</b>	HD: 31.485KHz; VD: 59.972 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>	<58 dB
<b>Min. Illumination</b>	0.2 lux
<b>Gain</b>	MGC
<b>Gamma</b>	1.0
<b>Electronic Shutter</b>	1/60 ~ 1/62,000 selectable 16 steps
<b>Lens Mount</b>	C-Mount
<b>Operating Temperature</b>	-10 °C ~ +50 °C
<b>Power Requirement</b>	12V DC, 250mA, 3.0W
<b>Dimension</b>	50mm x 39mm x 83mm
<b>Ext. Sync.</b>	Internal/External Auto Switch
<b>Async Reset</b>	Standard
<b>Weight</b>	200 g

Note: Custom cameras are available upon request.

## Dimension:



Note: Specifications are subject to change without notice