UNIQ
It simply works!

USS-680CL

Super Sensitive CCD Camera

Features

- 0.001 lux min. illumination (AGC max.)
- 1/2" 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
- RS232C interface control
- C-mount lens

Description

The USS-680CL 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

USS-680CL applications include low light surveillance, X-ray imaging, military, and scientific uses.

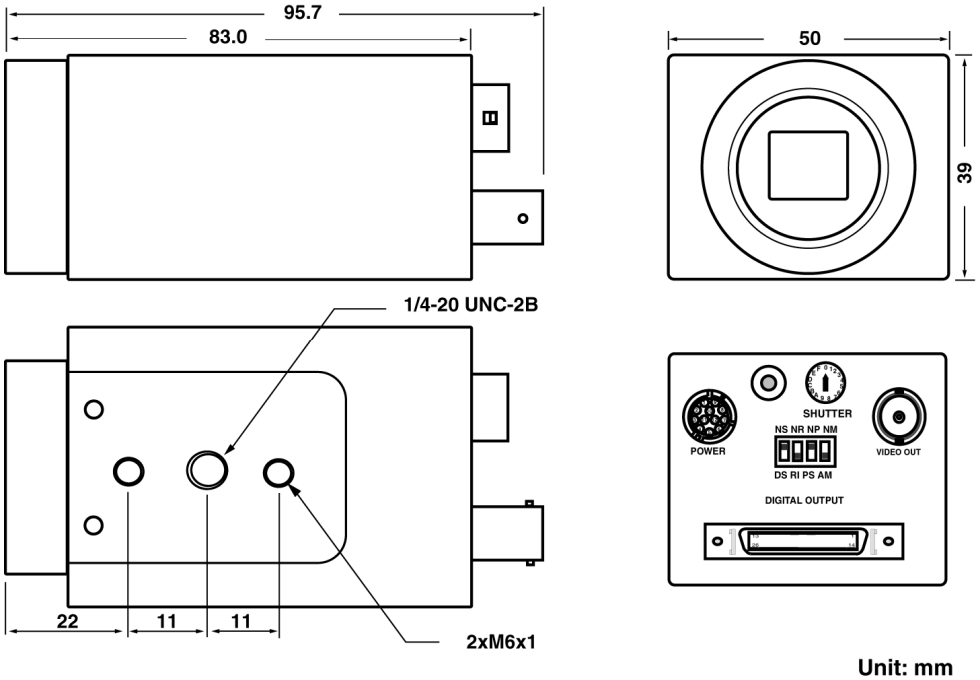
UNIQ VISION, INC. 3220 Scott Blvd. Santa Clara, CA 95054
Tel: (408) 330-0818 Fax: (408) 330-0886
www.uniqvision.com

Specifications:

Model	USS-680CL
CCD Sensor	1/2” Hyper HAD progressive scan interline-transfer CCD
Chip Size	7.48 mm x 6.15 mm
Effective Pixels (H x V)	659 x 494
Unit Cell Size (H x V)	9.9 ㎜ x 9.9 ㎜
Pixel Clock	25 MHz (50 MHz for master clock)
Frame Rate	60 FPS (120 FPS Vertical binning)
Sync.	HD: 31.485KHz; VD: 59.972 Hz
Digital Video Output	Camera Link format
Analog Video Output	1 V p-p, 75ohm (BNC or 12 pin Hirose)
S/N Ratio	<58 dB
Min. Illumination	0.001 lux (AGC max.)
Gain	AGC/MGC selectable
Gamma	1.0
Electronic Shutter	1/60 ~ 1/62,000 selectable 16 steps
Lens Mount	C-Mount
Operating Temperature	-10 °C ~ +50 °C
Power Requirement	12V DC, 250mA, 3.0W
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.

Dimensions:



Unit: mm

Note: Specifications are subject to change without notice