

## Clemex ST 1.3 MP Monochrome USB 3.0 Camera CL-13-883

### Sensor specification

Image Sensor	Teledyne e2v EV76C560
Shutter Type	Global Shutter / Rolling Shutter
Optical Format	1/1.8"
Pixel Size	5.3 x 5.3 $\mu\text{m}$
Resolution	1.3 MP

### Camera Specifications

Frame Rate	60.0 fps
Bit Depth	10 bits
Exposure Control	Auto exposure/Auto gain
Exposure Time	15.72 $\mu\text{seconds}$ to 1.03 seconds
Gain Range Analog	x1 to x3.96
Gain Range Digital	x1 to x3.98
White Balance	N/A

### Mechanical Specifications

Data Interface	USB3.0 micro-B x 1
Lens Mount	CS Mount
Dimensions	28 (W) x 28 (H) x 33.8 (D) mm
Mass	Approximately 38 g
Operating Temperature	0 to 40 °C
Storage Temperature	-30 to 70 °C
Operating Humidity	20 to 85 %RH (No condensation)
Shock / Vibration	Acceleration 38 G shock / 20 Hz to 200 Hz to 20 Hz vibration

### Software, Power & Warranty

Required Software	Clemex software versions up to 10.x
Power Consumption	Less than 2 W
Power Requirement	5 V (Typ) (This conforms to the USB standard)
Warranty	One (1) year

