





Clemex USB 2.0 Black & White CCD Cameras

The Clemex series of high resolution cameras has the flexibility to meet all of your imaging needs. With many different models to choose from, we are sure to have a camera to meet your budget and exceed your expectations. Integrated with our imaging software, the Clemex cameras are the perfect addition to any microscopy station.

	Clemex ST 1.3MP Monochrome	Clemex ST 2.0 MP Monochrome	Clemex L 1.4 MP Monochrome	Clemex L 2.1 MP Monochrome
	CL-13-865	CL-13-861	CL-13-217	CL-13-221
				
Sensor Specification				
Image Sensor	Interline SXVGA CCD	Interline UXGA CCD	Sony HAD ICX205 CCD	Sony ICX274 CCD
Optical Format	1/2"	1/1.8"	1/2"	1/1.8"
Pixel Size	4.65 x 4.65 µm	4.4 x 4.4 µm	4.65 x 4.65 µm	4.4 x 4.4 µm
Resolution	1360 x 1024 pixels	1600 x 1200 pixels	1392 x 1040 pixels	1616 x 1216 pixels
Camera Specifications				
Frame Rate	19 fps	15 fps	15 fps at full resolution	12 fps
Bit Depth	8bit / 10bit / 12bit		8 or 14-bit	8 or 12 bit
Exposure Control	Manual / Auto control		Manual / Auto control	
Exposure Range	0.1 ms to 200 ms		0.1 ms to 200 ms	
Gain Control	Manual / Auto control		Manual / Auto control	
Gain Range	0 to 15 dB		0 to 15 dB	
Mechanical Specifications				
Data Interface	USB 2.0		USB 2.0	
Lens Mount	C-Mount		Adjustable C-Mount standard	
Dimensions	28 (W) x 28 (H) x 37 (D) mm (excluding connector)		57.15 x 97.79 x 39.624 mm 2.25 x 3.85 x 1.56 inch	97.8 x 69.8 x 50.8 mm 3.85 x 2.75 x 2.00 inch
Mass	45 g		340 g	300g
Operating Temperature	0 to 40 °C		0 to 50°C	
Storage Temperature	-30 to 65°C		-30 to 70°C	
Operating Humidity	5 to 95 %, non-condensing		5 to 95 %, non-condensing	
Shock / Vibration	70 G shock / 10 G (2 to 200 Hz) vibration		50 G shock, 5 G (2 to 200Hz) vibration	
Camera Software				
Operating Systems	Windows 7, 8 or 10 / 64-bit operating systems		Windows 7, 8 or 10 / 64-bit operating systems	
Power and Emissions				
Power Consumption	< 450 mA		~2.5 W	
Power Requirement	mini-B USB connector IO signal: 6pin connector		USB bus power (external 5 V DC, 500 mA)	
Warranty	One (1) year		One (1) year	
Requirement				
Software	Clemex software version 8.0		Clemex software version 8.0	

CLEMEX

800 Guimond, Longueuil QC J4G 1T5
 888.651.6573 / 450.651.6576
 info@clemex.com / www.clemex.com
 © Copyrights 2016