Clemex USB 3.0 Color CMOSIS 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 2.0 MP Color	Clemex ST 4.0 MP Color	Clemex L 2.2 MP Color	Clemex L 4.0 MP Color
	CL-13-868	CL-13-873	CL-13-284	CL-13-286
Sensor Specification				
Image Sensor	CMOSIS CMV2000	CMOSIS CMV4000	CMOSIS CMV4000	CMOSIS CMV4000
Optical Format	2/3"	1"	2/3"	1"
Pixel Size	5.5 x 5.5 µm	5.5 x 5.5 µm	5.5 x 5.5 µm	5.5 x 5.5 µm
Resolution	2048 x 1088 pixels	2048 x 2048 pixels	2048 x 1088 pixels	2048 x 2048 pixels
Camera Specifications				
Frame Rate	170 fps	90 fps	170 fps	90 fps
Bit Depth	8bit or 12bit		8bit or 12bit	
Exposure Control	Software Control		Software Control	
Exposure Range	1 ms to 4 s		1 ms to 4 s	
Gain Control	Manual / Auto control		Manual / Auto control	
Gain Range	0 to 15 dB		0 to 15 dB	
White Balance	Manual / Auto control		Manual / Auto control	
Mechanical Specifications				
Data Interface	USB 3.0, micro locking connector		USB 3.0, micro locking connector	
Lens Mount	C-Mount		C-Mount	
Dimensions	28 x 28 x 37 mm		40 x 40 x 53 mm	
Mass	45 g		138 g	
Operating Temperature	0 to 50 $^{\circ}$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		5 V DC @ 700 mA, ~3.5 W	
Power Requirement	mini-B USB connector IO signal: 6pin connector		USB bus power (external 5 V DC, 700 mA)	
Warranty	One (1) year		One (1) year	
Requirement				
Software	Clemex software version 8.0		Clemex software version 8.0	