

Low Level Application Cameras

The Clemex L series also has some high resolution cameras designed specifically for low light level applications. If you are working in dark field, cross polarization or fluorescence, this camera works best for your application. Integrated with our Clemex Vision software, the Clemex L is the perfect addition to any microscopy station.



Low Level Application Cameras (cross polarized, darkfield and fluorescence)

	Clemex L 3.3C CL-13-218	Clemex L 2.1C CL-13-220	Clemex L 2.1M CL-13-221	Clemex L 1.4M CL-13-217	Clemex L 1.4C CL-13-216
Camera Sensor					
Image Sensor	Sony 1/2 , color CCD	Sony 1/2", color CCD	Sony 1/2" Mono CCD	Sony 1/2 , mono CCD 7.6mm x 6.2mm	Sony 1/2 , color CCD 7.6mm x 6.2mm
Effective Pixels	2048x1536 3.45 um square pixels	1600x1200 4.4 um square pixels	1600x1200 4.4 um square pixels	1392x1040 4.65 um square pixels	1392x1040 4.65 um square pixels
Frame Rate	6 fps at full 2048x1536	12 fps at full 1600x1200	12 fps at full 1600x1200	15 fps at full 1392x1040	15 fps at full 1392x1040
Preview Mode	24 fps 512x480	24 fps 800x600	24 fps 800x600	30 fps 680x512	30 fps 680x512
Dynamic Range	66 dB	66 dB	66 dB	66 dB	66 dB
Readout Frequency	20, 10, 5 and 2.5 MHZ	20, 10, 5 and 2.5 MHZ	20, 10, 5 and 2.5 MHZ	20, 10, 5 and 2.5 MHZ	20, 10, 5 and 2.5 MHZ
ROI (Region of Interest)	8x8 pixels continuous variable up to full resolution	8x8 pixels continuous variable up to full resolution	8x8 pixels continuous variable up to full resolution	8x8 pixels continuous variable up to full resolution	8x8 pixels continuous variable up to full resolution
Digital Output	8 and 10 bit uncompressed	8 and 10 bit uncompressed	8 and 10 bit uncompressed	8 and 10 bit uncompressed	8 and 10 bit uncompressed
Camera Controls					
Power Requirement	USB Bus Power or External 6VDC, 800mA(included)	USB Bus Power or External 6VDC, 800mA(included)	USB Bus Power or External 6VDC, 800mA(included)	USB Bus Power or External 6VDC, 800mA(included)	USB Bus Power or External 6VDC, 800mA(included)
Operating Temperature	0 - 50°C	0 - 50°C	0 - 50°C	0 - 50°C	0 - 50°C
Operating Humidity	20-80% Non-Condensing	20-80% Non-Condensing	20-80% Non-Condensing	20-80% Non-Condensing	20-80% Non-Condensing
Interface Connector	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0

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Lens Mount

C-Mount

Low Level Application Cameras

C-Mount

C-Mount

C-Mount

C-Mount

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