



General Purpose Application Cameras

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



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| | Clemex L 5.0C CL-13-224 | Clemex L 3.0C CL-13-219 | Clemex L 2.0C CL-13-211 | Clemex L 1.3M CL-13-213 | Clemex L 1.3C CL-13-212 |
|--------------------------|--|--|---|---|---|
| Camera Sensor | | | | | |
| Image Sensor | 1/2" color 5 x 4.28mm | 1/2" color 6.5 x 4.9mm | 1/2" color 6.6 x 5.3mm | 1/2" B/W 6.6 x 5.3mm | 1/2" color 6.6 x 5.3mm |
| Effective Pixels | 2592x1944 2.2 um pixels ² | 2048x1536 3.2 um pixels ² | 1600 x 1200 | 1280 x 1024 5.2 um pixels ² | 1280 x 1024 5.2 um pixels ² |
| Frame Rate | 5 fps at full resolution 60 fps at 640x480 | 6 fps at full resolution 20 fps at 1024x768 | 10 fps at full resolution 40 fps at 800x600 | 15 fps at full resolution 60 fps at 640x512 | 15 fps at full resolution 60 fps at 640x512 |
| Dynamic Range | >60 dB | 60 dB | 60 dB | 60 dB | 60 dB |
| Dark Current (e-/s) | 20 | 20 | 20 | 20 | 20 |
| 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 | | | | | |
| Shutter | Rolling shutter with single frame capture | Rolling shutter with single frame capture | Rolling shutter with single frame capture | Rolling shutter with single frame capture | Rolling shutter with single frame capture |
| Power Requirement | USB Bus Power or External 5VDC, 500mA | USB Bus Power or External 6VDC, 500mA | USB Bus Power or External 6VDC, 500mA | USB Bus Power or External 6VDC, 500mA | USB Bus Power or External 6VDC, 500mA |
| Operating Temperature | 0 - 50°C | 0 - 50°C | 0 - 50°C | 0 - 50°C | 0 - 50°C |
| Operating Humidity | 5-95% 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 |
| Lens Mount | C-Mount | C-Mount | C-Mount | C-Mount | C-Mount |

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