



Digital Cameras

The Metlab series of high resolution cameras has the flexibility to meet all of your imaging needs. With five 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 Metlab is the perfect addition to any microscopy station.



General Purpose Application Cameras

| | 5.0M color digital camera | 3.0M color digital camera | 2.0M color digital camera | 1.3M color digital camera |
|------------------------|--|---|---|---|
| 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" 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 |
| 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 |
| Dynamic Range | >60 dB | 60 dB | 60 dB | 60 dB |
| Dark Current (e-/s) | 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 |
| 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 |
| 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 |
| Operating Temperature | 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 |
| Interface Connector | USB 2.0 | USB 2.0 | USB 2.0 | USB 2.0 |
| Lens Mount | C-Mount | C-Mount | C-Mount | C-Mount |