



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