

# USB2 Colour Cameras



Cost effective quality USB2 Colour cameras with comprehensive image analysis software  
3 MPixel and 5 MPixel options

Two professional CMOS C-mount cameras with 3 million or 5 million pixels. These plug and play cameras are easy to operate and come with powerful imaging software. They suit industrial, teaching and medical markets.

Both are C-mount and connect to microscopes with a photo (trinocular) port or to macro/micro lenses such as the Navitar Zoom 6000 or 12x. Provided with Windows software (XP, Win 7, Win 8) and compatible with Twain and DirectShow.

The capture software enables stills (jpg, tiff, bmp, raw), movies and time lapsed capture. Features include live measurement & calibration, extended depth of field, image stitching and numerous measurement functions.

	USB-3C	USB-5C
<b>Sensor</b>	Micron MT9T001	Micro MT9P031
<b>Colour/Mono</b>	Colour	Colour
<b>Sensor Size</b>	1/2"	1/2.5"
<b>Pixel size (um)</b>	3.2 x 3.2	2.2 x 2.2
<b>Effective pixels</b>	3.0 MP	5.0 MP
<b>Max Resolution (HxV)</b>	2048 x 1536	2592 x 1944
<b>Scan mode</b>	Progressive	Progressive
<b>Shutter</b>	Rolling Shutter	Rolling Shutter
<b>Frame rate</b>	10fps (2048 x 1536) 25fps (1024 x 768) 40fps (640 x 480)	5fps (2592 x 1944) 21pfs (1280 x 960) 25fps (1024 x 768) 38fps (640 x 480)
<b>Colour Depth</b>	24bit	24bit
<b>A/D</b>	8 bit	8 bit
<b>Exposure Control</b>	Manual/Auto	Manual/Auto
<b>Integration Time (S)</b>	0.001 –0.5	0.001 –0.8
<b>White Balance</b>	Manual/Auto	Manual/Auto
<b>Dynamic range</b>	54 dB	60 dB
<b>Operating temp.</b>	0-60°C	0-60°C
<b>Operating humidity</b>	45% - 85%	45% - 85%
<b>Storage temp</b>	-20 to 70° C	-20 to 70° C
<b>Operating System</b>	Windows/Linux/Mac	Windows/Linux/Mac
<b>Optical port</b>	C-mount	C-mount
<b>Data interface</b>	USB2.0/480Mb/s	USB2.0/480Mb/s

**Measurements** - Line, Parallel lines, Perpendicular, Rectangle, Circle, Polyline, Polygon, Arc, Angle, Count.  
**Show** - Scale line, Annotate, Cross-line