

Euromex Cooled CCD color Camera

HIGHLIGHTS

- ✓ 5 Mpix CCD color USB 2.0 camera
- ✓ 2/3" sensor, 2580 x 1944 pixels
- ✓ ADC 16 bits, color depth 36 bits
- ✓ For fluorescence applications and low light intensity circumstances
- ✓ Cooled by Peltier element up to - 30° C below ambient temperature



Specifications

Sensor	High Resolution CCD 2/3 inch
Pixels	2580 x 1944 pixels, 5.0 Mpix
Pixel size	3.4 µm x 3.4 µm
Filter	RGB
Mount	C-mount thread. Delivered without objective
Max fps	3 frames per second (2580 x 1944 pixels) 12 frames per second (1280 x 932)
ADC	16 bits
Color depth	36 bits
Exposure	Automatic or manual from 0.1 ms to 20 min
White balance	Automatic/manual
Dynamic range	74 db
Sensibility	500 mV @ 3200 K and 706 cd/m2, 1/30 sec accumulation
Interface	USB-2 at 480 Mb/s
Peltier cooling	-30° C below ambient temperature
Dimensions	130 x 111 x 54 mm (hxbxt)
Weight	920 gram
Operation	0 – 60° C, 10-85 % humidity
Supplied with	USB 2.0 cable, 100-240 Vac to 5Vdc/4A power adapter for Peltier cooling, 76 x 24 mm calibration slide (1mm/100), CDROM with software, aluminum carry case. Supplied without objective or adapter
Software	Windows XP, Vista, Windows7, Windows 8 (32 and 64 bit configurations)
Product number	DC.5000i

Datasheet v.325171