

CMEX-3

USB-2 camera with CMOS sensor
DC.3000c

HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 3.0 Mpix CMOS color USB 2.0 camera
- 1/2" sensor, 2048 x 1538 pixels
- ADC 10 bits, color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface



TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2 inch
Pixels	2048 x 1536 pixels, 3.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	3.2 µm x 3.2 µm
Filter	RGB
Mount	C-mount
Max fps	Up to 10 frames per second (2048 x 1536 pixels) Up to 25 frames per second (1024 x 768 pixels) Up to 40 frames per second (640 x 480 pixels)
ADC	10 bits
Color depth	24 bits
Sensitivity	1.3 V/lux-sec @ 550 nm
Exposure	Automatic or manual, from 1 ms to 500 ms
White balance	Automatic/manual
Dynamic range	72 db
S/N max	44 db
Data interface	USB 2.0 at 480 Mb/s
Operation	0 – 60° C, 45-85 % humidity
Storage temperature	-20 to 70° Celsius
Supplied with	0.5x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus 4 software, carton box
Software	Windows7 and higher (32 and 64 bit configurations)
Product number	DC.3000c

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec (at 550 nm)	Product number
CMEX-3	3.2	CMOS	1/2"	3.2x3.2	2048 x 1536	10	10 bits	24 bits	44	72	1.3	DC.3000c
					1024 x 768	25						
					640 x 480	40						

The CMEX cameras are supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.5x C-mount objective

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