

# CMEX-1

USB-2 camera with CMOS sensor

EDC-1300c

## HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 1.3 Mpix CMOS color USB 2.0 camera
- 1/2.5" sensor, 1272 x 952 pixels
- ADC 10 bits, color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface



● CMEX

## TECHNICAL SPECIFICATIONS

<b>Sensor</b>	CMOS 1/2.5 inch
<b>Pixels</b>	1272 x 952 pixels, 1.3 Mpix
<b>Scan mode</b>	Progressive, rolling shutter
<b>Pixel size</b>	2.2 $\mu$ m x 2.2 $\mu$ m
<b>Filter</b>	RGB
<b>Mount</b>	C-mount
<b>Max fps</b>	Up to 15 frames per second (1272 x 952 pixels) Up to 30 frames per second (632 x 472 pixels)
<b>ADC</b>	10 bits
<b>Color depth</b>	24 bits
<b>Sensitivity</b>	1.3 V/lux-sec @ 550 nm
<b>Exposure</b>	Automatic or manual, from 1 ms to 300 ms
<b>White balance</b>	Automatic/manual
<b>Dynamic range</b>	72 db
<b>S/N max</b>	55 db
<b>Data interface</b>	USB 2.0 at 480 Mb/s
<b>Operation</b>	0 – 60° C, 45-85 % humidity
<b>Storage temperature</b>	-20 to 70° Celsius
<b>Supplied with</b>	0.45x 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
<b>Software</b>	Windows 10 and higher (32 and 64 bit configurations)
<b>Product number</b>	EDC-1300c

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size ( $\mu$ m)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity V/lux-sec (at 550 nm)	Product number
CMEX- 1	1.3	CMOS	1/2.5"	2.2x2.2	1272x952	15	10 bits	24 bits	55	72	1.3	EDC-1300c
					632x472	30						

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 (10 $\mu$ m/division) calibration slide and a 0.45x C-mount objective

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