

## CMEX-3 PRO

### USB-2 camera with CMOS sensor DC.3000p

#### HIGHLIGHTS

- Premium camera for education
- Professional version for laboratories and industry
- 3.0 Mpix CMOS color USB 2.0 camera
- 1/2" sensor, 2048 x 1538 pixels
- ADC 12 bits, color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface



CMEX Pro

#### TECHNICAL SPECIFICATIONS

<b>Sensor</b>	CMOS 1/2 inch
<b>Pixels</b>	2048 x 1536 pixels, 3.0 Mpix
<b>Scan mode</b>	Progressive, rolling shutter
<b>Pixel size</b>	3.2 µm x 3.2 µm
<b>Filter</b>	RGB
<b>Mount</b>	C-mount
<b>Max fps</b>	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)
<b>ADC</b>	12 bits
<b>Color depth</b>	24 bits
<b>Sensitivity</b>	1.5 V/lux-sec @ 550 nm
<b>Exposure</b>	Automatic or manual, from 1 ms to 500 ms
<b>White balance</b>	Automatic/manual
<b>Dynamic range</b>	72 db
<b>S/N max</b>	45 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>	0.5x 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, deluxe carrying case
<b>Software</b>	Windows XP, Vista, Windows7, Windows 8 (32 and 64 bit configurations)
<b>Product number</b>	DC.3000p

#### MODELS

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixel size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CMEX-3 Pro	3.2	CMOS	1/2"	3.2 x 3.2	2048x1536	10	12 bits	24 bits	45	72	1.5	DC.3000p
					1024x768	25						
					640x480	40						
CMEX-5 Pro	5.0	CMOS	1/2.5"	2.2 x 2.2	2592 x 1944	5	12 bits	24 bits	45	65	1.5	DC.5000p
					1280 x 960	21						
					1024x 768	25						
				640 x 480	38							

The CMEX Pro cameras are supplied in a deluxe carrying case 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 0.45x C-mount objective