

sCMEX-3

USB-2 camera with Scientific CMOS sensor DC.3000s

HIGHLIGHTS

- Scientific grade camera
- Suitable for fluorescence
- 3.0 Mpix sCMOS color USB 2.0 camera
- 1/2.8" sensor, 2045 x 1536 pixels
- Ultra-low signal/noise ratio
- High sensitivity and high speed
- Excellent color rendering
- ADC 16 bits, color depth 36 bits
- USB 2.0 interface



sCMEX

TECHNICAL SPECIFICATIONS

Sensor	sCMOS 1/2.8 inch
Pixels	2045 x 1536 pixels, 3.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	2.5 μ m x 2.5 μ m
Filter	RGB
Mount	C-mount
Max fps	Up to 11 frames per second (2045 x 1536 pixels) Up to 27 frames per second (1024 x 768 pixels, 2x2 binning mode) Up to 38 frames per second (684 x 512 pixels, 4x4 binning mode)
ADC	16 bits
Color depth	36 bits
Sensitivity	1.5 V/lux-sec @ 550 nm
Exposure	Automatic or manual, from 0.1 ms to 3 seconds
White balance	Automatic/manual
Dynamic range	69 db
S/N max	55 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	0.35x 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	Windows XP, Vista, Windows7, Windows 8 (32 and 64 bit configurations)
Product number	DC.3000s

MODELS

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (μ m)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
sCMEX-1	1.3	sCMOS	1/3"	3.6 x 3.6	1278 x 1038 664 x 512	25 39	16 bits	36 bits	55	72	1.5	DC.1300s
sCMEX-3	3.0	sCMOS	1/2.8"	2.5 x 2.5	2048 x 1536 1024 x 768 684 x 512	11 27 38	16 bits	36 bits	55	69	1.5	DC.3000s

The sCMEX 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 μ m/division) calibration slide and a 0.35x C-mount objective