

sCMEX

USB-3 cameras with
Scientific grade sCMOS sensor

HIGHLIGHTS

- Highest speed camera
- SONY Exmor R sCMOS color USB3.0 camera
- Low signal/noise ratio
- USB 3.0 interface
- Back-illuminated sCMOS sensor
- Perfect color-reproduction capability

TECHNICAL SPECIFICATIONS

Sensor	SONY Exmor R sCMOS
Scan mode	Progressive, rolling shutter
Filter	RGB
Mount	C-mount
Exposure	Automatic or manual
White Balance	Automatic or manual
Data interface	USB 3.0 high speed
Operation	0~60°C, 45-85 % humidity
Storage temperature	-20~70°C
Power supply	5V over PC USB Port
Housing	Integrated CNC aluminum alloy compact housing



Supplied with 0.5x objective with C-mount (for sCMEX-3 and sCMEX-6) and 1x objective with C-mount (for sCMEX-20 and sCMEX-32), USB 3 cable, 30 and 30.5mm adapters for stereo microscopes, 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus Alpha software, carton box

Software Supplied with ImageFocus Alpha, image and video capturing and measuring software
For Win 7/ 8/ 10 (32 and 64 bit configurations)
PC requirements: Compatible with Intel Core 2, 2.8 GHZ or higher, 2GB, USB-3 high speed, 17 inch display
A Mac OS software version is also supplied (with a few differences in features)



MODELS	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (μm)	Resolutions	Exposure time	Max. frames (p/sec)	Grayscale conversion	Dynamic range (db)	S/N Ratio (db)	Color rendering	Sensitivity V/lux-sec	Product number
sCMEX-3	3.1	sCMOS	1/2.8"	2.5 x 2.5	2048 x 1536 1920 x 1080	0.244 ~ 15000 ms	50 58	16 bits	--	--	36 bits	0.15	DC.3000s
sCMEX-6	6.3	sCMOS	1/1.8"	2.5 x 2.5	3072 x 2048 1536 x 1024	0.244 ~ 15000 ms	30 38	16 bits	66.8	41.51	36 bits	0.15	DC.6000s
sCMEX-20	20	sCMOS	1"	2.4 x 2.4	5440 x 3648 2736 x 1824 1824 x 1246	0.264 ~ 15000 ms	15 50 60	16 bits	66.3	41.74	36 bits	0.21	DC.20000s
sCMEX-32	32	sCMOS	1.15"	2.3 x 2.3	5600 x 5600 2800 x 2800 1400 x 1400	0.1 ~ 15000 ms	8.1 30 30	16 bits	88	50	36 bits	0.43	DC.32000s

