

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



● sCMEX

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	-10~50°C, 30-80 % humidity
Storage temperature	-20~60°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), 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)



● Package content

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	0.244 ~ 15000 ms	50	16 bits	--	--	36 bits	0.15	DC.3000s
					1920 x 1080		58						
sCMEX-6	6.3	sCMOS	1/1.8"	2.5 x 2.5	3072 x 2048	0.244 ~ 15000 ms	30	16 bits	66.8	41.51	36 bits	0.15	DC.6000s
					1536 x 1024		38						
sCMEX-20	20	sCMOS	1"	2.4 x 2.4	5440 x 3648	0.264 ~ 15000 ms	15	16 bits	66.3	41.74	36 bits	0.21	DC.20000s
					2736 x 1824		50						
					1824 x 1246		60						