

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 | -10~60°C, 30-85 % 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-6) and 0.75x objective with C-mount (for sCMEX-12)
 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 10/11 (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 (ms) | Max. frames (p/sec)* | Grayscale conversion | Dynamic range (db) | S/N Ratio (db) | Color rendering | Sensitivity V/lux-sec | Product number |
|----------|-----------------------|--------|----------------------|------------------|---|--------------------|----------------------|----------------------|--------------------|----------------|-----------------|-----------------------|----------------|
| sCMEX-6 | 6.3 | sCMOS | 1/1.8" | 2.5 x 2.5 | 3072 x 2048 1536 x 1024 | 0.1 ~ 15,000 | 30 38 | 16 bits | 66.8 | 41.51 | 36 bits | 0.15 | DC.6000s |
| sCMEX-12 | 12 | sCMOS | 1/1.6" | 2.0 x 2.0 | 3536 x 3536 1768 x 1768 | 0.013 ~ 15,000 | 27 60 | 16 bits | 69.8 | 40.7 | 36 bits | 0.17 | DC.12000s |
| sCMEX-20 | 20 | sCMOS | 1" | 2.4 x 2.4 | 5440 x 3648 2736 x 1824 1824 x 1246 | 0.1 ~ 15,000 | 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 ~ 15,000 | 8.1 30 30 | 16 bits | 88 | 50 | 36 bits | 0.43 | DC.32000s |

* Frame rates have been determined at optimal conditions



www.euromex.com