CMEX-5 Pro

USB-3.0 HIGH SPEED CAMERA
EDC-5000-PRO

● *EDC-5000-Pro*

HIGHLIGHTS

- **High speed camera**
- **5.1 Mpix CMOS color USB3.0 camera**
- **1/2.5" sensor, 2560x1922 pixels**
- **Low signal/noise ratio**
- **USB 3.0 high speed interface (USB 2.0 compatible)**
- **Perfect color-reproduction capability**

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.5 inch
Pixels	2560x1922 pixels, 5.1 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	2.2µmx2.2µm
Filter	RGB
Mount	0.5x C-mount
Max fps	Up to 16 frames per second (2592x1944 pixels) Up to 50 frames per second (1296x972 pixels) Up to 98 frames per second (640x486 pixels) (Frame rates have been determined at optimal conditions)
Exposure	Automatic or manual
Exposure time	0.1 ms ~ 2000 ms
White Balance	Automatic or manual
Dynamic range	68 dB
S/N max	39 dB
Sensitivity V/lux-sec	1.76
Data interface	USB 3.0 high speed
Operation	-10~50°C, 30-80 % humidity
Storage temperature	-20~60°Celsius
Power supply	5V over PC USB Port
Housing	Integrated CNC aluminum alloy

Supplied with	0.5x objective with C-mount, USB 3 cable, 30 and 30.5mm adapters for stereomicroscopes, 76x24mm calibration slide (1mm/100), carton box
Software	ImageFocus Alpha capture and measuring software For Win 10 and higher (32 and 64 bit configurations). A Mac OS version is available
PC requirements:	Compatible with Intel Core 2, 2.8 GHZ or higher, 2GB, USB-3 high speed
Product number	EDC-5000-Pro

● *CMEX-5 Pro package content*

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CMEX-10 PRO

USB-3.0 HIGH SPEED CAMERA
EDC-10000-PRO

HIGHLIGHTS

- High speed camera
- 10.0 Mpix CMOS color USB 3.0 camera
- 1/2.3" sensor, 3584 x 2746 pixels
- Low signal/noise ratio
- USB 3.0 interface (USB 2.0 compatible)
- Perfect color-reproduction

● *EDC-10000-Pro*

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.3 inch
Pixels	3584 x 2746 pixels, 10.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	1.67 µm x 1.67 µm
Filter	RGB
Mount	0.5x C-mount
Max fps	Up to 8 frames per second (3584 x 2746 pixels) Up to 25 frames per second (1792 x 1372 pixels) (Frame rates were determined at optimal conditions)
Exposure	Automatic or manual
Exposure time	0.1 ms ~ 2000 ms
White balance	Automatic/manual
Dynamic range	63.5 db
S/N max	35.5 db
Sensitivity V/lux-sec	0.31
Data interface	USB 3.0 high speed
Operation	0 – 50°C, 30-80 % humidity
Storage temperature	-20 to 60° Celsius
Power supply	5V over PC USB port
Housing	Integrated CNC aluminum alloy

Supplied with	0.5x objective with C-mount, USB 3 cable, 30 and 30.5 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), carton box
Software	ImageFocus Alpha capture and measuring software For Win 10 and higher (32 and 64 bit configurations). A Mac OS version is available
PC requirements	Compatible with Intel Core 2, 2.8 GHZ or higher, 2GB, USB-3 high speed
Product number	EDC-10000-Pro

● *CMEX-10 Pro package content*

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CMEX-20 PRO

USB-3.0 HIGH SPEED CAMERA

EDC-20000-PRO

● *EDC-20000-Pro*

HIGHLIGHTS

- **High speed camera**
- **20 Mpix CMOS color USB 3.0 camera**
- **1/1.8" sensor, 5120 x 3840 pixels**
- **High signal/noise ratio**
- **USB 3.0 interface (USB 2.0 compatible)**
- **Perfect color-reproduction**

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/1.8 inch
Pixels	5120 x 3840 pixels, 20 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	1.4 µm x 1.4 µm
Filter	RGB
Mount	0.75x C-mount
Max fps	Up to 20 frames per second (5120 x 3840 pixels) Up to 45 frames per second (2560 x 1920 pixels) (Frame rates were determined at optimal conditions)
Exposure	Automatic or manual
Exposure time	0.2 ms ~ 15 s
White balance	Automatic/manual
Dynamic range	39 db
S/N max	60 db
Sensitivity V/lux-sec	8.4 ke–/lux.sec
Data interface	USB 3.0 high speed
Operation	0 ~ 50°C, 30-80 % humidity
Storage temperature	-20 to 60°Celsius
Power supply	5V over PC USB port
Housing	Integrated CNC aluminum alloy

Supplied with	0.75x objective with C-mount, USB 3 cable, 30 and 30.5 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), carton box
Software	ImageFocus Alpha capture and measuring software For Win 10 and higher (32 and 64 bit configurations). A Mac OS version is available
PC requirements	Compatible with Intel Core 2, 2.8 GHZ or higher, 2 GB, USB-3 high speed
Product number	EDC-20000-Pro

● *CMEX-20 Pro package content*

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