

# CMEX-5 Pro

USB-3.0 HIGH SPEED CAMERA

DC.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

<b>Sensor</b>	CMOS 1/2.5 inch
<b>Pixels</b>	2560x1922 pixels, 5.1 Mpix
<b>Scan mode</b>	Progressive, rolling shutter
<b>Pixel size</b>	2.2µm x 2.2µm
<b>Filter</b>	RGB
<b>Mount</b>	0.5x C-mount
<b>Max fps</b>	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)
<b>Exposure</b>	Automatic or manual
<b>Exposure time</b>	0.1 ms ~ 2000 ms
<b>White Balance</b>	Automatic or manual
<b>Dynamic range</b>	68 dB
<b>S/N max</b>	39 dB
<b>Sensitivity V/lux-sec</b>	1.76
<b>Data interface</b>	USB 3.0 high speed
<b>Operation</b>	-10~50°C, 30-80 % humidity
<b>Storage temperature</b>	-20~60°Celsius
<b>Power supply</b>	5V over PC USB Port
<b>Housing</b>	Integrated CNC aluminum alloy



● DC.5000-Pro



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



● CMEX-5 Pro package content



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# CMEX-10 PRO

USB-3.0 HIGH SPEED CAMERA

DC.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



● DC.10000-Pro

## TECHNICAL SPECIFICATIONS

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



<b>Supplied with</b>	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
<b>Software</b>	ImageFocus Alpha capture and measuring software For Win 10 and higher (32 and 64 bit configurations). A Mac OS version is available
<b>PC requirements</b>	Compatible with Intel Core 2, 2.8 GHZ or higher, 2GB, USB-3 high speed
<b>Product number</b>	DC.10000-Pro



● CMEX-10 Pro package content



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# CMEX-20 PRO

USB-3.0 HIGH SPEED CAMERA

DC.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

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



● DC.20000-Pro



<b>Supplied with</b>	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
<b>Software</b>	ImageFocus Alpha capture and measuring software For Win 10 and higher (32 and 64 bit configurations). A Mac OS version is available
<b>PC requirements</b>	Compatible with Intel Core 2, 2.8 GHZ or higher, 2 GB, USB-3 high speed
<b>Product number</b>	DC.20000-Pro



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