

## CMEX-10 PRO

### USB-3.0 camera

### DC.10000p

#### HIGHLIGHTS

- Highest speed camera
- 10.0 Mpix CMOS color USB 3.0 camera
- 1/2.3" sensor, 4912 x 3684 pixels
- Low signal/noise ratio
- USB 3.0 interface



DC.10000p

#### 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>	C-mount
<b>Max fps</b>	Up to 7.2 frames per second (3584 x 2746 pixels) Up to 24.5 frames per second (1792 x 1372 pixels)
<b>Exposure</b>	Automatic or manual
<b>White balance</b>	Automatic/manual
<b>Dynamic range</b>	63.5 db
<b>S/N max</b>	35.5 db
<b>Data interface</b>	USB 3.0 high speed 80 Mb/s
<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>	Zinc-aluminium alloy, 68 x 68 x 45 mm (H)
<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), CD ROM with ImageFocus Alpha software, carton box
<b>Software</b>	Supplied with ImageFocus Alpha capture and measuring software. For Windows XP, Vista, Windows7, Windows 8 (32 and 64 bit configurations) PC requirements: Compatible Intel Core2, 2.8 GHZ or higher, 2 GB, USB-3 high speed
<b>Product number</b>	DC.10000p


 iScope microscope with  
 the CMEX 10 Pro camera

#### MODELS

	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CMEX-10 Pro	CMOS	1/2.3"	1.67x1.67	3584x2746	7.2	12 bits	24 bits	35.5	63.5	0.31	DC. 10000p
				1792x1372	24.5						
CMEX-18 Pro	CMOS	1/2.3"	1.25x1.25	4912x3684	6	12 bits	24 bits	42	65	1.3	DC. 18000p
				2456x1842	18						
				1228x922	32						

The CMEX-18 camera is supplied in a carton box with USB-3 cable, 30.0 and 30.5 mm adapters to use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective

# CMEX-18 PRO

## USB-3.0 camera

### DC.18000p

### HIGHLIGHTS

- Highest speed camera
- 18.0 Mpix CMOS color USB 3.0 camera
- 1/2.3" sensor, 4912 x 3684 pixels
- Low signal/noise ratio
- USB 3.0 interface



DC.18000p

### TECHNICAL SPECIFICATIONS

<b>Sensor</b>	CMOS 1/2.3 inch
<b>Pixels</b>	4912 x 3684 pixels, 18.0 Mpix
<b>Scan mode</b>	Progressive, rolling shutter
<b>Pixel size</b>	1.25 µm x 1.25 µm
<b>Filter</b>	RGB
<b>Mount</b>	C-mount
<b>Max fps</b>	Up to 6 frames per second (4912 x 3684 pixels) Up to 18 frames per second (2546 x 1842 pixels) Up to 32 frames per second (1228 x 922 pixels)
<b>Exposure</b>	Automatic or manual
<b>White balance</b>	Automatic/manual
<b>Dynamic range</b>	65 db
<b>S/N max</b>	42 db
<b>Data interface</b>	USB 3.0 high speed 80 Mb/s
<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>	Zinc-aluminium alloy, 68 x 68 x 45 mm (H)
<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), CD ROM with ImageFocus Alpha software, carton box
<b>Software</b>	Supplied with ImageFocus Alpha capture and measuring software. For Windows XP, Vista, Windows7, Windows 8 (32 and 64 bit configurations) PC requirements: Compatible Intel Core2, 2.8 GHZ or higher, 2 GB, USB-3 high speed
<b>Product number</b>	DC.18000p


 iScope microscope with  
 the CMEX 18 Pro camera

### MODELS

	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CMEX-10 Pro	CMOS	1/2.3"	1.67x1.67	3584x2746 1792x1372	7.2 24.5	12 bits	24 bits	35.5	63.5	0.31	DC. 10000p
CMEX-18 Pro	CMOS	1/2.3"	1.25x1.25	4912x3684 2456x1842 1228x922	6 18 32	12 bits	24 bits	42	65	1.3	DC. 18000p

The CMEX-18 camera is supplied in a carton box with USB-3 cable, 30.0 and 30.5 mm adapters to use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective