

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

Sensor	CMOS 1/2.3 inch
Pixels	4912 x 3684 pixels, 18.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	1.25 µm x 1.25 µm
Filter	RGB
Mount	C-mount
Max fps	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)
Exposure	Automatic or manual
White balance	Automatic/manual
Dynamic range	65 db
S/N max	42 db
Data interface	USB 3.0 high speed 80 Mb/s
Operation	0 – 50° C, 30-80 % humidity
Storage temperature	-20 to 60° Celsius
Power supply	5V over PC USB port
Housing	Zinc-aluminium alloy, 68 x 68 x 45 mm (H)
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), CD ROM with ImageFocus Alpha software, carton box
Software	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
Product number	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