

CMEX-1

USB-2 camera with CMOS sensor
DC.1300c

HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 1.3 Mpix CMOS color USB 2.0 camera
- 1/2.5" sensor, 1272 x 952 pixels
- ADC 10 bits, color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.5 inch
Pixels	1272 x 952 pixels, 1.3 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	2.2 µm x 2.2 µm
Filter	RGB
Mount	C-mount
Max fps	Up to 15 frames per second (1272 x 952 pixels) Up to 30 frames per second (632 x 472 pixels)
ADC	10 bits
Color depth	24 bits
Sensitivity	1.3 V/lux-sec @ 550 nm
Exposure	Automatic or manual, from 1 ms to 300 ms
White balance	Automatic/manual
Dynamic range	72 db
S/N max	55 db
Data interface	USB 2.0 at 480 Mb/s
Operation	0 – 60° C, 45-85 % humidity
Storage temperature	-20 to 70° Celsius
Supplied with	0.45x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus 4 software, carton box
Software	Windows7 and higher (32 and 64 bit configurations)
Product number	DC.1300c



● CMEX

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity V/lux-sec (at 550 nm)	Product number
CMEX- 1	1.3	CMOS	1/2.5"	2.2x2.2	1272x952	15	10 bits	24 bits	55	72	1.3	DC.1300c
					632x472	30						

The CMEX cameras are supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective

Euromex Microscopen bv • Papenkamp 20 • 6836 BD Arnhem • The Netherlands • T +31 (0) 26 323 22 11 • F +31 (0) 26 323 28 33 • info@euromex.com • www.euromex.com



CMEX-3

USB-2 camera with CMOS sensor
DC.3000c

HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 3.0 Mpix CMOS color USB 2.0 camera
- 1/2" sensor, 2048 x 1538 pixels
- ADC 10 bits, color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2 inch
Pixels	2048 x 1536 pixels, 3.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	3.2 µm x 3.2 µm
Filter	RGB
Mount	C-mount
Max fps	Up to 10 frames per second (2048 x 1536 pixels) Up to 25 frames per second (1024 x 768 pixels) Up to 40 frames per second (640 x 480 pixels)
ADC	10 bits
Color depth	24 bits
Sensitivity	1.3 V/lux-sec @ 550 nm
Exposure	Automatic or manual, from 1 ms to 500 ms
White balance	Automatic/manual
Dynamic range	72 db
S/N max	44 db
Data interface	USB 2.0 at 480 Mb/s
Operation	0 – 60° C, 45-85 % humidity
Storage temperature	-20 to 70° Celsius
Supplied with	0.5x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus 4 software, carton box
Software	Windows 7 and higher (32 and 64 bit configurations)
Product number	DC.3000c



	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixel size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise (db)	Dynamic (db)	Sensitivity V/lux-sec (at 550 nm)	Product number
CMEX-3	3.2	CMOS	1/2"	3.2x3.2	2048 x 1536	10	10 bits	24 bits	44	72	1.3	DC.3000c
					1024 x 768	25						
					640 x 480	40						

The CMEX cameras are supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.5x C-mount objective

Euromex Microscopen bv • Papenkamp 20 • 6836 BD Arnhem • The Netherlands • T +31 (0) 26 323 22 11 • F +31 (0) 26 323 28 33 • info@euromex.com • www.euromex.com



CMEX-5

USB-2 camera with CMOS sensor
DC.5000c

HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 5.0 Mpix CMOS color USB 2.0 camera
- 1/2.5" sensor, 2592 x 1944 pixels
- ADC 10 bits, color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.5 inch
Pixels	2592 x 1944 pixels, 5.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	2.2 µm x 2.2 µm
Filter	RGB
Mount	C-mount
Max fps	Up to 5 frames per second (2592 x 1944 pixels) Up to 21 frames per second (1280 x 960 pixels) Up to 25 frames per second (1024 x 768 pixels) Up to 38 frames per second (640 x 480 pixels)
ADC	10 bits
Color depth	24 bits
Sensitivity	1.3 V/lux-sec @ 550 nm
Exposure	Automatic or manual, from 1 ms to 800 ms
White balance	Automatic/manual
Dynamic range	65 db
S/N max	42 db
Data interface	USB 2.0 at 480 Mb/s
Operation	0 – 60° C, 45-85 % humidity
Storage temperature	-20 to 70° Celsius
Supplied with	0.45x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus 4 software, carton box
Software	Windows7 and higher (32 and 64 bit configurations)
Product number	DC.5000c



	Number of pixels (MP)	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 (at 550 nm)	Product number
CMEX-5	5.0	CMOS	1/2.5"	2.2x2.2	2592x1944	5	10 bits	24 bits	42	65	1.3	DC.5000c
					1280x960	21						
					1024x768	25						
					640x480	38						

The CMEX cameras are supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective

Euromex Microscopen bv • Papenkamp 20 • 6836 BD Arnhem • The Netherlands • T +31 (0) 26 323 22 11 • F +31 (0) 26 323 28 33 • info@euromex.com • www.euromex.com



CMEX-WIFI 5.0 MP

digital WiFi camera
DC.5000-WIFI

HIGHLIGHTS

- Color CMOS WiFi camera
- 1/2.5 inch, 5.0 MP sensor
- Real time images 1280 x 720 pixels
- ADC 12 bits, color depth 24 bits
- Low signal/noise ratio
- Power supply via USB port or USB charger
- Sends H.264 encoded images to WiFi enabled smartphones, computers, and tablets with iOS, Android and Windows systems



TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.5 inch
Pixels	1280 x 720 pixels, 5.0 Mpix
Scan mode	Electronic rolling shutter
Pixel size	2.2 µm x 2.2 µm
Filter	RGB color filter and IR-cut off filter (380-650 nm)
Mount	C-mount
Max fps	Up to 12 frames per second
ADC	12 bits
Sensitivity	1 V/lux-sec @ 550 nm
Exposure	Automatic or manual, , from 1 ms to 800 ms
White balance	Automatic/manual
Dynamic range	61 db
S/N max	43 db
Data interface	WiFi H.264 encoded images. Secured with key
Operation	0 – 50° C, 30-80 % humidity
Storage temperature	-20 to 60° Celsius
Power supply	With supplied USB charger or through USB port of a PC
Housing	Zinc-aluminium alloy, 68 x 68 x 45 mm (H)
Supplied with	0.5x objective with C-mount (DC.1355), 30 and 30, 5 mm to 23.2 mm adapters for stereomicroscopes, 76 x 24 mm calibration slide (1mm/100), USB charger and USB cable, CDROM with ImageFocus Alpha software, Android .apk app, carton box

● CMEX-WiFi 5

Compatibility	Windows XP (32 bit), Windows 7, 8, 10 (32 and 64 bit configurations) iOS iPad or iPhone, Android Pad and Phones
Requirements	PC with Intel Core2 2.8 GHz or higher or equivalent. Minimum 2Gb RAM memory PC with WiFi enabled device with DHCP iOS iPad or Pad with Android system or iPhone or SmartPhone with Android
Product number	DC.5000-WIFI



● iScope microscope with the CMEX-WIFI 5 camera

MODEL	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CMEX-WiFi 5	CMOS	1/2.5"	2.2 x 2.2	1280 x 720	12 bits	24 bits	43	61	1.0	DC. 5000-WIFI

The CMEX-WiFi 5 camera is supplied in a box with USB-2 cable, 30.0 and 30.5 mm adapters to use with stereo microscopes, and a 0.5x C-mount objective

Euromex Microscopen bv • Papenkamp 20 • 6836 BD Arnhem • The Netherlands • T +31 (0) 26 323 22 11 • F +31 (0) 26 323 28 33 • info@euromex.com • www.euromex.com

