

CMEX-2f

USB-2.0 camera with fast CMOS sensor

DC.2000f

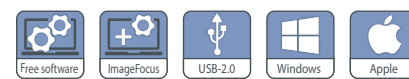
HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 2.0 Mpix CMOS color USB-2.0 camera
- 1/2.9" sensor, 1920 x 1080 pixels
- Color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface



TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.9 inch
Pixels	1920 x 1080 pixels, 2.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	2.8 µm x 2.8 µm
Max f/s	Up to 30 frames per second (1920x 1080 pixels) (Frame rates have been determined at optimal conditions)
Filter	RGB
Mount	C-mount
Grayscale conversion	8 bits
Color depth	24 bits
Exposure	Automatic or manual, from 1 ms to 2s
White balance	Automatic/manual
Dynamic range	72 db
Sensitivity V/lux-sec	(at 550 nm) 0.51
Data interface	USB 2.0 at 480 Mb/s
Operation humidity	10-85 % humidity
Operating temperature	0 to 60°C
Supplied with	0.45x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereo microscopes, 76 x 24 mm calibration slide, USB stick with ImageFocus Plus software, carton box
Software	Windows 10 and higher (32 and 64 bit configurations). A Mac OS software version is also supplied
Product number	DC.2000f



MODELS	Sensor and size (inches)	Number of pixels (MP)	Pixels size (µm)	Resolutions	Max. frames (p/sec)*	Grayscale conversion	Color depth	Dynamic (db)	Sensitivity V/lux-sec (at 550 nm)	Product number
CMEX- 2f	CMOS 1/2.9"	2.0	2.8 x 2.8	1920 x 1080	30	8 bits	24 bits	72	0.51	DC.2000f
CMEX- 5f	CMOS 1/2.8"	5.0	2.0 x 2.0	2560 x 1920 1600 x 1200	30 50	8 bits	24 bits	72	2.0	DC.5000f
CMEX- 12f	CMOS 1/2.3"	12.0	1.33 x 1.33	4000 x 3000 2592 x 1944	15 30	8 bits	24 bits	60	1.5	DC.12000f

The CMEX cameras are supplied in a carton box with USB-2.0 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, calibration slide and a 0.45x C-mount objective

* Frame rates have been determined at optimal conditions

CMEX-5f

USB-2.0 camera with fast CMOS sensor

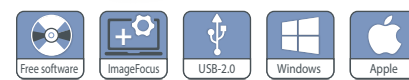
DC.5000f

HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 5.0 Mpix CMOS color USB-2.0 camera
- 1/2.8" sensor, 2560 x 1920 pixels
- Color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.8 inch
Pixels	2560 x 1920 pixels, 5.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	2.0 µm x 2.0 µm
Max fps	Up to 30 frames per second (2560 x 1920 pixels) Up to 50 frames per second (1600 x 1200 pixels) (Frame rates have been determined at optimal conditions)
Filter	RGB
Mount	C-mount
Grayscale conversion	8 bits
Color depth	24 bits
Exposure	Automatic or manual, from 1 ms to 2s
White balance	Automatic/manual
Dynamic range	72 db
Sensitivity V/lux-sec	(at 550 nm) 2.0
Data interface	USB 2.0 at 480 Mb/s
Operation humidity	10-85 % humidity
Operating temperature	0 to 60°C
Supplied with	0.45x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereo microscopes, 76 x 24 mm calibration slide, USB stick with ImageFocus Plus software, carton box
Software	Windows 10 and higher (32 and 64 bit configurations). A Mac OS software version is also supplied
Product number	DC.5000f



MODELS	Sensor and size (inches)	Number of pixels (MP)	Pixels size (µm)	Resolutions	Max. frames (p/sec)*	Grayscale conversion	Color depth	Dynamic (db)	Sensitivity V/lux-sec (at 550 nm)	Product number
CMEX- 2f	CMOS 1/2.9"	2.0	2.8 x 2.8	1920 x 1080	30	8 bits	24 bits	72	0.51	DC.2000f
CMEX- 5f	CMOS 1/2.8"	5.0	2.0 x 2.0	2560 x 1920 1600 x 1200	30 50	8 bits	24 bits	72	2.0	DC.5000f
CMEX- 12f	CMOS 1/2.3"	12.0	1.33 x 1.33	4000 x 3000 2592 x 1944	15 30	8 bits	24 bits	60	1.5	DC.12000f

The CMEX cameras are supplied in a carton box with USB-2.0 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, calibration slide and a 0.45x C-mount objective

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CMEX-12f

USB-2.0 camera with fast CMOS sensor

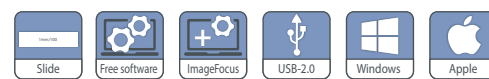
DC.12000f

HIGHLIGHTS

- Entry level camera for amateur, education and laboratories
- 12.0 Mpix CMOS color-USB 2.0 camera
- 1/2.3" sensor, 4000 x 3000 pixels
- Color depth 24 bits
- Low signal/noise ratio
- USB 2.0 interface

TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/2.3 inch
Pixels	4000 x 3000 pixels, 12.0 Mpix
Scan mode	Progressive, rolling shutter
Pixel size	1.33 µm x 1.33 µm
Max fps	Up to 15 frames per second (4000 x 3000 pixels) Up to 30 frames per second (2592 x 1944 pixels) (Frame rates have been determined at optimal conditions)
Filter	RGB
Mount	C-mount
Grayscale conversion	8 bits
Color depth	24 bits
Exposure	Automatic or manual, from 1 ms to 2s
White balance	Automatic/manual
Dynamic range	60 db
Sensitivity V/lux-sec	(at 550 nm) 1.5
Data interface	USB 2.0 at 480 Mb/s
Operation humidity	10-85 % humidity
Operating temperature	0 to 60°C
Supplied with	0.45x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereo microscopes, 76 x 24 mm calibration slide, USB stick with ImageFocus Plus software, carton box
Software	Windows 10 and higher (32 and 64 bit configurations). A Mac OS software version is also supplied
Product number	DC.12000f



MODELS	Sensor and size (inches)	Number of pixels (MP)	Pixels size (µm)	Resolutions	Max. frames (p/sec)*	Grayscale conversion	Color depth	Dynamic (db)	Sensitivity V/lux-sec (at 550 nm)	Product number
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