

CMEX-5 WiFi-4 camera

4.0 MP WiFi + USB + LAN

● CMEX-5 WiFi-4

HIGHLIGHTS

- Color CMOS WiFi+USB+LAN camera
- 1/1.8 inch, 4.0 MP sensor
- Real time images 2688 x 1512 pixels
- ADC 12 bits, color depth 24 bits
- Low signal/noise ratio
- Power supply via USB port or USB charger
- Allows recording of video and images
- Sends MPEG/H264 video to WiFi enabled smartphones, computers, and tablets with iOS, Android and Windows systems



TECHNICAL SPECIFICATIONS

Sensor	CMOS 1/1.8 inch
Pixels	2688 x 1512 pixels, 4.0 Mpix
Scan mode	Electronic rolling shutter
Pixel size	2.9 µm x 2.9 µm
Filter	RGB color filter and IR-cut off filter (380-650 nm)
Mount	C-mount
Max fps	Up to 30 frames per second*
ADC	12 bits
Sensitivity	921mV with 1/30 sec
Exposure	Automatic or manual, from 0.021- 1000 ms
White balance	Automatic/manual
Dynamic range	48 db
S/N max	44 db
Data interface LAN	30fps*@2688*1512 H264 encoded video and Jpeg image capture
Data interface USB	MJPEG/H264 real-time images, 30fps*@2688*1512
<i>*Frame rates were determined at optimal conditions</i>	
Operation	-10 – 50° C, 30-80 % humidity
Storage temperature	-20 to 60° Celsius
Power supply	Micro USB DC 5V/1A adapter
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-2 cable, CDROM with ImageFocus Alpha software, Android .apk app. A Mac OS version is also supplied (with a few differences in features). A carton box

Compatibility	Windows 10 and higher (32 and 64 bit configurations), Android Pad and Phones, Mac PC, iPad or iPhone
Requirements	PC with Intel Core2 2.8 GHz or higher or equivalent. Minimum 4Gb RAM memory PC with WiFi enabled. Android 5.1 and above is supported, Android 10.0 and above is recommended
Product number	DC.5000-WiFi-4



● BioBlue microscope with
the CMEX-5 WiFi-4 camera

MODEL	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity mV-1/30sec	Product number
CMEX-5 WiFi-4	CMOS	1/1.8"	2.9 x 2.9	2688 x 1512	12 bits	24 bits	44	48	921 mV	DC.5000-WiFi-4

The CMEX-5 WiFi-4 camera is supplied in a box with A-to-micro-USB cable, 30.0 and 30.5 mm adapters to use with stereo microscopes, and a 0.5x C-mount objective



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