

# 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

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

<b>Compatibility</b>	Windows 10 and higher (32 and 64 bit configurations), Android Pad and Phones, Mac PC, iPad or iPhone
<b>Requirements</b>	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
<b>Product number</b>	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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