



Model:

**OPTIKAM WiFi**

Typology:

**MULTI-PURPOSE CAMERA**

Description:

*WiFi CS-mount camera***CAMERA SPECIFICATION**

PC camera resolution	5 MegaPixels
WiFi camera resolution	2 MegaPixels
Signal output	USB 2.0, WiFi
Audio Signal	NO
Sensor Size	1/2.5"
Sensor technology	Micron CMOS
Image format	4/3
Full Image size	2592 x 1944
Pixel size	2,2 x 2,2 micron
USB Frame rate Full resolution	3 frames/sec: 2592 x 1944
USB Frame rate other resolutions	11 frames/sec: 640 x 480, 8 frames/sec: 1024 x 768
WiFi Frame rate Low resolution	2 frames/sec: 640 x 480 with 10 users
WiFi Frame rate other resolutions	1 frames/sec: 1024 x 768 with 10 users, 1 frames/3sec: 1600 x 1200 with 10 users
WiFi Speed	802.11n 150Mbps
WiFi Signal	from the camera
WiFi Router requirements	NO
WiFi password	NO
WiFi Antenna	2.4GHz 5DB
WiFi Signal ready to	About 40 sec from the first power up
Ethernet port	NO
Sensitivity	0.53 V/Lux-Second at 550nm
Signal / noise ratio	40.5 dB
Dynamic range	>60 dB
Max Exposure time	Automatic
ADC conversion	8 BIT
Color Depth	8 BIT
ON board Memory	NO
External Memory Card	NO
External camera power	5 V 2000mA
Cooling system	NO
External Cooling power	NO
On camera case IR Filter	650 nm
Automatic White Balance	Auto / Man
Automatic Gain Control	Auto / Man
Automatic Back light control	Auto / Man
Exposure control	Auto / Man
C-Mount connection	YES, Available
CS-Mount connection	YES, ready

**ACCESSORIES**

<b>CS-mount to C-mount Ring</b>	SI
<b>Optical adapters</b>	0,45x (for 23mm eyepiece tube)
<b>Adapters for Binocular &amp; Monocular microscopes</b>	30 and 30,5 mm diameter
<b>Calibration Slide</b>	YES
<b>Always Included</b>	1.8 m USB cable, power supply, Installation manual, CD Rom.

**SOFTWARE SPECIFICATION**

<b>WiFi System requirements</b>	Windows Tablet, Android Tablet, IOS Tablet, IOS Phone, Android Phone, Windows Phone, BlackBerry
<b>WiFi users allowed</b>	10 Users: good live view speed, 20 Users: slow live view speed, 30 Users: very slow live view Speed
<b>WiFi available APP</b>	Via Browser: NO APP is needed
<b>WiFi Additional available APP</b>	For IOS and Android
<b>WiFi Capture features</b>	Image size
<b>WiFi Control parameters</b>	Automatic
<b>USB System requirements</b>	Windows Vista / win7 / win8 / 32-64 bit , USB 2.0
<b>USB Supplied Software</b>	Optika Vision Lite
<b>USB Driver types</b>	No Driver ( Microsoft Driver )
<b>USB Capture features</b>	Continuous auto white balance, continuous auto exposure, image size, image capture, compressed video capture
<b>USB Control parameters</b>	Brightness, contrast, tonality, saturation, sharpness, gamma, white Balance, background

**GENERAL CAMERA SPECIFICATION**

<b>Working temperature</b>	+0 up to +50°C
<b>Storage temperature</b>	-10 up to +50°C
<b>Relative Humidity</b>	up to 80%
<b>Dimensions</b>	7 x 7 cm Height: 4 cm Height with optical adapter: 12 cm
<b>Weight</b>	80 gr



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