



Model:  
**OPTIKAM EC2 - 4083.EC2**

Type:  
**EYEPIECE CAMERA**

Description:  
*OPTIKAM EC2, 2 MP CMOS eyepiece camera*

### CAMERA SPECIFICATION

Digital camera resolution	2 MP
Analog camera resolution	NO
Signal output	USB 2.0
Audio Signal	NO
Sensor Size	1\3"
Sensor technology	CMOS
Image format	4\3
Full Image size	1600x1200
Pixel size	2.8x2.8 $\mu\text{m}$
Frame rate full resolution	30 fps (640x480)
Frame rate other resolutions	15 fps (1600x1200)
Sensitivity	1.9 V/lux-sec (550 nm)
Signal / noise ratio	42.3 dB max
Dynamic range	71 dB
Max Exposure time	Auto
ADC conversion	8 bit
Color Depth	8 bit
ON board Memory	NO
External Memory Card	NO
External camera power	PC USB
Cooling system	NO
External Cooling power	NO
On camera case IR Filter	700 nm
Automatic White Balance	Auto / Man
Automatic Gain Control	Auto / Man
Automatic Back light control	Auto / Man
Exposure control	Auto / Man
C-Mount connection	NO
CS-Mount connection	NO

**ACCESSORIES**

<b>CS-mount to C-mount Ring</b>	NO
<b>Optical adapters</b>	With no lens adapter, for 23 mm eyepiece tube
<b>Adapters for Binocular &amp; Monocular microscopes</b>	30 and 30.5 mm diameter
<b>Calibration Slide</b>	NO
<b>Always Included</b>	1.5 m USB cable, Installation manual, CD rom

**SOFTWARE SPECIFICATION**

<b>System requirements</b>	Win Vista / Win 7 / Win 8 / Win 10 (32 o 64 bit) USB 2.0
<b>Supplied Software</b>	OPTIKA Vision Lite
<b>Driver types</b>	No Driver ( Microsoft Driver )
<b>Capture features</b>	Continuous auto white balance, continuous auto exposure, image size, image capture, video capture
<b>Control parameters</b>	Image size, brightness, gain, contrast, tonality, gamma, white balance

**GENERAL SPECIFICATION**

<b>Working temperature</b>	-10 up to +60°C
<b>Storage temperature</b>	-10 up to +60°C
<b>Relative Humidity</b>	40% up to 90%
<b>Dimensions</b>	Height: 6 cm Diameter: 3 cm
<b>Weight</b>	100 gr