



Model:

**OPTIKAM B1**

Type:

**SERIE OPTIKAM® BUDGET**

Description:

*C-mount and Eyepiece Camera***CAMERA SPECIFICATION**

Digital camera resolution	1,21 MegaPixels
Analog camera resolution	NO
Signal output	USB 2.0
Audio Signal	NO
Sensor Size	1/2.5"
Sensor technology	CMOS
Image format	4/3
Full Image size	1272x952
Pixel size	2.2 x 2.2 Micron
Frame rate full resolution	19fps (1272*952)
Frame rate other resolutions	52fps (632*472)
Sensitivity	1,0 V/Lux-second (550 nm)
Signal / noise ratio	44 dB
Dynamic range	60 dB
Max Exposure time	0,25 sec
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	YES
CS-Mount connection	NO

**ACCESSORIES**

CS-mount to C-mount Ring	NO
Optical adapters	0,45x (for 23mm eyepiece tube)
Adapters for Binocular & Monocular microscopes	30 and 30,5 mm diameter
Calibration Slide	YES
Always Included	1.8 m USB cable, Installation manual, CD rom

**SOFTWARE SPECIFICATION**

System requirements	Windows XP / Vista / win7 / win8 / 32-64 bit / usb 2.0
Supplied Software	Optika Vision Lite, Optika IsView
Driver types	Optika driver, TWAIN, SDK
Capture features	Continuous auto white balance, continuous auto exposure, image size, image capture, compressed video capture
Control parameters	Image size, brightness, gain, exposur time, colors, monochrome, color enhancement , flip, speed.

**GENERAL SPECIFICATION**

Working temperature	+0 up to +60°C
Storage temperature	-20 up to +70°C
Relative Humidity	45% up to 85%
Dimensions	Height: 5,5cm Diameter: 7cm Height with optical adapter: 10cm
Weight	220 gr