



Model:

**OPTIKAM PRO COOL 5**

Typology:

**OPTIKAM® PRO COOL SERIE**

Description:

*CCD Cooled Camera***CAMERA SPECIFICATION**

Digital camera resolution	5,0 MegaPixels
Analog camera resolution	NO
Signal output	USB 2.0
Audio Signal	NO
Sensor Size	2\3" Sony Sensor
Sensor technology	CCD
Image format	4\3
Full Image size	2572 x 1954
Pixel size	3,4 x 3,4 micron
Frame rate full resolution	3 frames/sec (2572 x 1954)
Frame rate other resolutions	12fps (1024 x 768) 3fps (1280*960 2x2 Binning) in LOW light mode 3fps (640*480 4x4 Binning) in LOW light mode
Sensitivity	0,280 V/Lux-second (550 nm)
Signal / noise ratio	56 dB
Dynamic range	74 dB
Max Exposure time	30 minutes
ADC conversion	12 BIT
Color Depth	12 BIT
ON board Memory	NO
External Memory Card	NO
External camera power	PC USB
Cooling system	YES
External Cooling power	YES
On camera case IR Filter	BP 680 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	NO
Adapters for Binocular & Monocular microscopes	NO
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 View
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, exposure time, colors, monochrome, color enhancement, flip, low exposure mode.

**GENERAL SPECIFICATION**

Working temperature	+0 up to +60°C
Storage temperature	-20 up to +70°C
Relative Humidity	45% up to 85%
Dimensions	10,5 x 10,8 cm Height : 6,5 cm Height with optical adapter: 13 cm
Weight	800 gr