



Model:
OPTIKAM HDMI

Typology:
MULTI-PURPOSE CAMERA

Description:
FULL HD HDMI C-mount camera

CAMERA SPECIFICATION

PC camera resolution	5,0 MegaPixels
TV camera resolution	2,0 MegaPixels
Signal output	USB 2.0, HDMI FULL HD
Audio Signal	NO
Sensor Size	1/2,5"
Sensor technology	APTINA MT9P001
Image format	16/9
Full Image size	2592 x 1944
Pixel size	2,2 x 2,2 micron
Frame rate full resolution	15 frames/sec (1920 x 1080 on USB), 30 frames/sec (1920 x 1080 on HDMI)
Frame rate other resolutions	15 frames/sec (1280 x 720 on USB with Optika Vision Lite)
Sensitivity	0.53 V/Lux-Second at 550nm
Signal/noise ratio	38dB
Dynamic range	70 dB
Max Exposure time	10 sec
ADC conversion	8 BIT
Color Depth	8 BIT
ON board Memory	NO
External Memory Card	8GB SD-CARD
External camera power	12 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, ready
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	2 m HDMI cable, 1.8 m USB cable, power supply, SD-Card, mouse, Installation manual, CD Rom.

SOFTWARE SPECIFICATION

System requirements	Windows XP / Vista / Win7 / Win8 / 32-64 bit / usb 2.0
Supplied Software	Optika Vision Lite, OptikalSview
Driver types	No Driver (Microsoft Driver)
Capture features	Continuous auto white balance, continuous auto exposure, image size, image capture, compressed video capture
Control parameters	Image size, gain, exposure time, saturation, colors, gamma, contrast , flip.
On-board software	Mouse control: Exposure time, colors, gamma, contrast, saturation, save pictures, save video, browse, flip, cross, zoom.

GENERAL CAMERA SPECIFICATION

Working temperature	+0 up to +60°C
Storage temperature	-10 up to +50°C
Relative Humidity	up to 80%
Dimensions	Height: 9cm Diameter: 7cm
Weight	300 gr