

1080p Full HD+WiFi C-mount Microscope Camera

Camera General specifications	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	HDMI output	Yes
	WiFi output	Yes
	C-Mount	Yes
	Housing	Aluminium
	Dimensions (mm)	65 x 78 x 88
	Weight (kg)	0.5

Sensor	Camera resolution (n° of pixels: W x H)	2592x1944
	Color / Monochrome	Color
	Sensor Size	1/1.8"
	Sensor Technology	CMOS
	Sensor Type	SONY
	Image Format	16/9
	Pixel Size (µm)	2.4x2.4
	Acquisition technology	Rolling shutter
	G sensitivity	1120mV at 1/30s
	Dark Signal	0.15mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.03 msec - 918 msec
	Binning	1x1
	IR filter	Yes
	IR filter range (nm)**	380-650 (IR CUT)

**** If used for red emission fluorescence wavelengths above 650nm please order it by specifying with "AR GLASS"**

HDMI	HDMI resolution (MP)	2
	Frame rate full resolution (fps)	60@1920x1080
	Live HDMI measurement	Yes
	Exposure	Auto / Manual
	White Balance	Auto / Manual / ROI

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WiFi	WiFi resolution (MP)	5
	WiFi Frame rate full resolution (fps)	25@1920x1080 (WiFi)
	WiFi Speed	802.11n 150Mbps
	WiFi Signal	From the camera
	WiFi Signal ready	About 10 seconds after turning on
Camera Power Supply	Type	External
	Connector	Jack, 2.1 mm
	Power plug type	Multiplug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60Hz
	Output voltage	12 Vdc, 1500 mA
	LED indicator	Yes
Camera accessories	Calibration slide	Yes
	HDMI cable (1.5m)	Yes
	Wireless Mouse	Yes
	SD card	16GB
	WiFi Adapter	Yes
Environment	Working Temperature	-10°C up to +50°C
	Storage Temperature	-20°C up to +60°C
	Relative Humidity	30% to 80%
	Storage Humidity	10% to 60%
Operating System	OS	Windows 8
	OS	Windows 10 (32Bit)
	OS	Windows 10 (64Bit)
	OS	Windows 11
	OS	Osx (MAC Osx) starting from 10.7.5 (only LITEVIEW)
	OS	Linux (only LITEVIEW)
	OS	Android
	OS	IOS
Available Software	PC SW	PROVIEW
	PC SW	LITEVIEW
	Camera SW	HDMIPRO (built-in)
	App	Optika Mobile View
PC requirements	PC	CPU: Intel Core2 - 2.8GHz or higher
	PC	RAM: 2GB or more
	PC	USB 2.0
Built-in SW Specifications		
General	Archiving	Yes
	Multi-language menu	Yes
	Available languages	
	Chinese	Yes
	English	Yes
	French	Yes
	German	Yes
	Italian	Yes
	Japanese	Yes
	Korean	Yes
	Thai	Yes
Image Acquisition	Still image mutliple format saving	Yes

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	Video recording multiple format saving	Yes
	Continuous automatic exposure	Yes
	Manual exposure	Yes
	Color acquisition	Yes
	Gray-scale acquisition	No
	Numerical Focus Indicator	Yes
	White Balance	Manual
	Image enhancement	Yes
	Zoom in	Yes
	Zoom out	Yes
	Image Comparison	Yes
	Browse of Images and Video	Yes
	Freeze image	Yes
	Horizontal Flip	Yes
	Verical Flip	Yes

Image Processing	HDR (High Dynamic Range)	Yes
	Ruler Overlay	Yes
	Arrow Overlay	Yes
	Measurement Overlay	Yes
	Grids	Yes

Measurements	Live measurement	Yes
	Still image measurement	Yes
	Select measurement unit	Yes
	Available measurements	
	Point	Yes
	Line	Yes
	3 Points Line	Yes
	3 Points Vertical Line	Yes
	Angle	Yes
	4 Points Angle	Yes
	Parallel lines	Yes
	Rectangle	Yes
	3 Points Rectangle	Yes
	Ellipse	Yes
	5 Points Ellipse	Yes
	Circle (Center + Radius)	Yes
	Circle (3 Points)	Yes
	2 Circle (Center + Radius)	Yes
	2 Circle (3 Points)	Yes
	Annulus	Yes
	Annulus (3 Points)	Yes
	Curve	Yes
	Arc	Yes
	Polygon	Yes
	Export to Excel	Yes

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