



4K Full HD C-mount Microscope Camera

<b>Camera General specifications</b>	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	USB flash disk Still image capture	Yes
	USB flash disk Video recording	Yes
	USB output	Yes
	HDMI output	Yes
	WiFi output	Yes
	Ethernet output	Yes
	C-Mount	Yes
	Dimensions (mm)	65 x 78 x 88
	Weight (kg)	0.5
<b>Sensor</b>	Camera resolution (n° of pixels: W x H)	3860x2160
	Color / Monochrome	Color
	Sensor Size	1/1.8"
	Sensor Technology	CMOS
	Sensor Type	SONY
	Image Format	16/9
	Pixel Size (mm)	2.0x2.0
	Acquisition technology	Rolling shutter
	G sensitivity	505mV at 1/30s
	Dark Signal	0.1mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.04 msec- 1 sec
	Binning	1x1
	IR filter	Yes
IR filter range (nm)	380-650 (IR CUT)	
<b>USB</b>	PC Camera resolution (MP)	8
	USB standard	USB2.0
	Frame rate full resolution (fps)	30@3840x2160
<b>HDMI</b>	HDMI resolution (MP)	8
	Frame rate full resolution (fps)	30@3840x2160
	Frame rate other resolution (fps)	30@1920x1080
	Live HDMI measurement	Yes

	Exposure	Auto / Manual
	White Balance	Auto / Manual / ROI

<b>WiFi</b>	WiFi resolution (MP)	8
	WiFi Frame rate full resolution (fps)	30@3840*2160
	WiFi Speed	802.11n 150Mbps
	WiFi Signal	From the camera
	WiFi Signal ready	About 10 seconds after turning on

<b>Ethernet</b>	Ethernet resolution (MP)	30@3840*2160
	Ethernet type	802.3ab

<b>Camera Power Supply</b>	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

<b>Camera accessories</b>	Calibration slide	Yes
	USB cable (1.8m)	Yes
	HDMI cable (1.5m)	Yes
	Wireless Mouse	Yes
	SD card	32GB
	WiFi Adapter	Yes

<b>Environment</b>	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%

<b>Operating System</b>	OS	Windows 7
	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

<b>Available Software</b>	PC SW	PROVIEW
	PC SW	LITEVIEW
	Camera SW	HDMIPRO (built-in)
	App	Optika Mobile View

<b>PC requirements</b>	PC	CPU: Intel Core2 - 2.8GHz or higher
	PC	RAM: 2GB or more
	PC	USB 2.0

<b>Built-in SW Specifications</b>		
<b>General</b>	Archiving	Yes
	Multi-language menu	Yes
	Available languages	
	Chinese	Yes
	English	Yes
	French	Yes

German	Yes
Italian	Yes
Japanese	Yes
Korean	Yes
Thai	Yes

<b>Image Acquisition</b>	Still image multiple format saving	Yes
	Continuous automatic exposure	Yes
	Manual exposure	Yes
	Mobile spot for exposure	Yes
	Color acquisition	Yes
	Gray-scale acquisition	Yes
	Numerical Focus Indicator	Yes
	White Balance	Auto/Manual/ROI
	Image enhancement	Yes
	Zoom in	Yes
	Zoom out	Yes
	Image Comparison	Yes
	Browse of Images and Video	Yes
	Picture in Picture (PIP)	Yes
	Freeze image	Yes
	Horizontal Flip	Yes
Vertical Flip	Yes	

<b>Image Processing</b>	Text Overlay	Yes
	Ruler Overlay	Yes
	Arrow Overlay	Yes
	Measurement Overlay	Yes
	Grids	Yes

<b>Measurements</b>	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