



### 8Mp 4K Full HD C-mount Microscope Camera

<b>General specifications</b>	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	USB output	Yes
	HDMI 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)	3840 x 2160
	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
	Dynamic range (DB)	66
	G sensitivity	505mV at 1/30s
	Dark Signal	0.13mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.04 msec- 2 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)	20@3840x2160
<b>HDMI</b>	HDMI resolution (MP)	8
	Frame rate full resolution (fps)	30@3840x2160
	Live HDMI measurement	Yes
	Exposure	Auto / Manual
	White Balance	Auto / Manual / ROI

<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	16GB

<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

<b>Available Software</b>	PC SW	PROVIEW
	Camera SW	HDMIPRO (built-in)

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

<b>General</b>	<b>Built-in SW Specifications</b>	
	Archiving	Yes
	Multi-language menu	Yes
	<b>Available languages</b>	
	Chinese	Yes
	English	Yes
	French	Yes
	German	Yes
	Italian	Yes
	Japanese	Yes
	Korean	Yes
	Russian	Yes
	Thai	Yes

<b>Image Acquisition</b>	Still image multiple format saving	Yes
	Video recording multiple format saving	Yes
	Continuous automatic exposure	Yes
	Manual 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
	Freeze image	Yes
	Horizontal Flip	Yes
	Verical Flip	Yes

<b>Image Processing</b>	HDR (High Dynamic Range)	Yes
	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