



1080p HDMI C-mount Microscope Camera

General specifications	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	HDMI output	Yes
	C-Mount	Yes
	Dimensions (mm)	50 x 50 x 55
	Weight (kg)	0.2

Sensor	Camera resolution (n° of pixels: W x H)	1920x1080
	Color / Monochrome	Color
	Sensor Size	1/2.8"
	Sensor Technology	CMOS
	Sensor Type	SONY STARVIS
	Image Format	16/9
	Pixel Size (mm)	2.9x2.9
	Acquisition technology	Rolling shutter
	G sensitivity	1300mV at 1/30s
	Dark Signal	0.15mV at 1/30s
	ADC conversion	8 Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.01 msec - 1 sec
	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

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

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%

Available Software	Camera SW	HDMILITE (built-in)
---------------------------	-----------	---------------------

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

Image Acquisition	Continuous automatic exposure	Yes
	Manual exposure	Yes
	Color acquisition	Yes
	Gray-scale acquisition	Yes
	White Balance	Auto/Manual/ROI
	Image enhancement	Yes
	Zoom in	Yes
	Zoom out	Yes
	Browse of Images and Video	Yes
	Freeze image	Yes
	Horizontal Flip	Yes
	Verical Flip	Yes

Image Processing	Text Overlay	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