



SUBASCOPE LITE



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The SubaScope LiTe is a digital auto focusing microscope designed in Australia through the combination of local manufacturing and overseas components. Suba Engineering has delivered a microscope with great features that rival mid-range microscopes, without compromising its very attractive price.



- Full High Definition Auto-focus at 60 frames per second.
- Up to 190x zoom level (Standard) – can be changed with adjustable lens.
- Image and video capturing function.
- User friendly menu interface.
- Mouse controlled auto focus region.
- Digital comparison of still picture and live picture
- Measurement tool.
- USB Flash drive for photos/videos transfer

Digital Camera

Image Sensor	Colour CMOS
Pixel size	1 / 2.8"
Lens	C type / CS type
Power DC	DC 5V/2A
Output method	HDMI
White Balance / Exposure	Auto / Manual
Display Resolution	FHD (1080p)
Frame Rate	60 FPS @ HDMI connection
Scanning Method	Line Scanning
Shutter Speed	60(50)Hz~10000Hz
Video format	H264
Image format	Jpeg, bmp
Operating Temp.	0°C~50°C

Optical C-mount Lens

Zoom ratio	6.5:1
Objective magnification	0.7x - 4.5x
Reduction factor	0.5x
Working distance	95mm
Weight	450g

Ring Light

Number of LEDs	144 white LEDs
Life Expectancy	100,000 hours
Brightness	0-100% Adjustable
Input power	100-240v, 50Hz-60Hz
Compatible Lens	30mm-63mm

Lens

	Standard (C-Mount)	Additional lens (optional)		
		X 0.5	X 0.3	X 2.0
Approx. magnification range (on a 24" monitor)	27-190x	13-95x	4-60x	54-380x
Working Distance ⁽¹⁾	95 mm	190 mm	380 mm	34 mm
Working area @ min magnification (approx.)	19x10.5 mm	43x24 mm	75x42 mm	9x5 mm
Working area @ max magnification (approx.)	2.7x1.5 mm	6.5x3.5 mm	11x6 mm	1.3x0.7 mm

Magnification conversion table (for a 24" FHD monitor)

Objective Magnification range ⁽¹⁾	Total Magnification range ⁽²⁾			
	Standard lens	Adjustable lens (optional)		
		X 2.0	X 0.5	X 0.3
0.7x	30	59	15	9
1.0x	42	84	21	13
1.5x	63	127	32	19
2.0x	84	169	42	25
2.5x	106	211	53	32
3.0x	127	253	63	38
3.5x	148	296	74	44
4.0x	169	338	84	51
4.5x	190	380	95	57

