



High Performance USB 3.0 C-mount Microscope Camera

General specifications	USB output	Yes
	C-Mount	Yes
	Dimensions (mm)	68 x 68 x 46
	Weight (kg)	0.265
Sensor	Camera resolution (n° of pixels: W x H)	2048x1536
	Color / Monochrome	Color
	Sensor Size	1/1.8"
	Sensor Technology	CMOS
	Sensor Type	SONY EXMOR
	Image Format	4/3
	Pixel Size (µm)	3.45x3.45
	Acquisition technology	Global shutter
	Dynamic range (DB)	70.60
	G sensitivity	1146mV at 1/30s
	Dark Signal	0.15mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.1 msec - 15 sec
	Binning	1x1
IR filter	Yes	
IR filter range (nm)	380-650 (IR CUT)	
USB	PC Camera resolution (MP)	3.1
	USB standard	USB3.0
	Frame rate full resolution (fps)	53@2048x1536
	Frame rate other resolution (fps)	50@1224x1024
Camera Power Supply	Connector	USB
	Output voltage	PC USB
Camera accessories	Calibration slide	Yes
	USB cable (1.8m)	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 7
	OS	Windows 8
	OS	Windows 10 (32Bit)
	OS	Windows 10 (64Bit)
	OS	Osx (MAC Osx) starting from 10.7.5
	OS	Linux
Available Software	PC SW	PROVIEW
	PC SW	LITEVIEW
PC requirements	PC	CPU: Intel Core2 - 2.8GHz or higher
	PC	RAM: 2GB or more
	PC	USB 3.0