



High Performance USB 3.0 C-mount Cooled Color Microscope Camera

Camera specifications	PC Camera resolution (MP)	20
	Camera resolution (n° of pixels: W x H)	5440x3648
	USB Signal output	USB.3.0
	Color / Monochrome	Color
	Sensor Size	1"
	Sensor Technology	CMOS
	Sensor Type	SONY EXMOR
	Rolling Shutter	Yes
	Image Format	3/2
	Pixel Size (µm)	2.4x2.4
	Frame rate full resolution (fps)	5@5440x3648
	Frame rate other resolution (fps)	10@4096x2160; 15@2736x1824; 30@1824x1216
	Dynamic range (DB)	66.30
	G sensitivity	426mV at 1/30s
	Dark Signal	0.21mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.1 msec - 3600 sec
	Binning	1x1; 2x2; 3x3
	IR filter	Yes
	IR filter range (nm)	380-650 (IR CUT)
	Cooling	Yes
	Cooling Temperature	-45°C
	Camera Power	PC USB
Cooling Power	12V 3A	
C-Mount	Yes	
Dimensions (mm)	100 (diam) x 100 (H)	
Weight (Kg)	0.59	
Camera accessories	Calibration slide	Yes
	USB cable (1.8m)	Yes
Environment specifications	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	SW	PROVIEW
	SW	LITEVIEW
PC requirements	PC	CPU: Intel Core2 - 2.8GZ or higher
	PC	RAM: 2GB or more
	PC	USB 3.0
Warranty	Years	2