



High Performance USB 3.0 C-mount Cooled Monochrome Microscope Camera

General specifications	USB output	Yes
	Cooling	Yes
	Cooling Temperature	-45°c
	C-Mount	Yes
	Dimensions (mm)	100 (diam) x 100 (H)
	Weight (kg)	0.5

Sensor	Camera resolution (n° of pixels: W x H)	1938x1460
	Color / Monochrome	Monochrome
	Sensor Size	2/3"
	Sensor Technology	CCD
	Sensor Type	SONY EXVIEW
	Image Format	4/3
	Pixel Size (µm)	4.54x4.54
	Acquisition technology	Rolling shutter
	Dynamic range (DB)	63.71
	G sensitivity	950mV at 1/30s
	Dark Signal	4mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Exposure time	0.05 msec- 3600 sec
Binning	1x1	
IR filter	Yes	
IR filter range (nm)	380-650 (IR CUT)	

USB	PC Camera resolution (MP)	2.8
	USB standard	USB3.0
	Frame rate full resolution (fps)	15@1938x1460
	Frame rate other resolution (fps)	17@1610x1212; 18@1930x1092

Camera Power Supply	Connector	USB
	Output voltage	PC USB
	LED indicator	Yes
	Cooling Power	12V 3A

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