

High Performance USB 3.0 C-mount Cooled Color Microscope Camera

General specifications	USB output	Yes
	Cooling	Yes
	Cooling Temperature	-45°c
	C-Mount	Yes
	Housing	Aluminium
	Dimensions (mm)	100 (diam) x 100 (H)
	Weight (kg)	0.59

Sensor	Camera resolution (n° of pixels: W x H)	1600x1100
	Color / Monochrome	Color
	Sensor Size	1.1"
	Sensor Technology	CMOS
	Sensor Type	SONY EXMOR
	Image Format	3/2
	Pixel Size (µm)	9.0x9.0
	Acquisition technology	Global shutter
	Signal/Noise Ratio (DB)	72
	G sensitivity	4910mV at 1/30s
	Dark Signal	0.3mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.1 msec - 3600 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"**

USB	PC Camera resolution (MP)	1.7
	USB standard	USB3.0
	Frame rate full resolution (fps)	33@1600x1100

Camera Power Supply	Connector	USB
	Output voltage	PC USB
	LED indicator	Yes
	Cooling Power	12V 3A
	Power plug type	Multiplug (EU, UK, US)

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 8
	OS	Windows 10 (32Bit)
	OS	Windows 10 (64Bit)
	OS	Windows 11
	OS	Osx (MAC Osx) starting from 10.7.5 (only LITEVIEW)
	OS	Linux (only LITEVIEW)

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