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
	Housing	Aluminium
	Dimensions (mm)	100 (diam) x 100 (H)
	Weight (kg)	0.59

Sensor	Camera resolution (n° of pixels: W x H)	5440x3648
	Color / Monochrome	Monochrome
	Sensor Size	1"
	Sensor Technology	CMOS
	Sensor Type	SONY EXMOR
	Image Format	3/2
	Pixel Size (µm)	2.4x2.4
	Acquisition technology	Rolling shutter
	Dynamic range (DB)	66.30
	G sensitivity	388mV at 1/30s
	Dark Signal	0.21mV at 1/30s
	ADC conversion	14 Bit
	Exposure time	0.1 msec - 3600 sec
	Binning	1x1; 2x2; 3x3
	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)	20
	USB standard	USB3.0
	Frame rate full resolution (fps)	17.8@5440x3648
	Frame rate other resolution (fps)	41@4096x2160; 51@2736x1824; 64@1824x1216

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