



Model:
C-P20CM

Type:
USB CAMERAS – PRO SERIES

Description:
USB 3.0 C-mount Cooled Monochrome Microscope Camera

CAMERA SPECIFICATION

Digital camera resolution	20 MP (5440 x 3648)
Signal output	USB 3.0
Sensor Size	1"
Sensor technology	CMOS
Sensor type	SONY EXMOR
Image format	3/2
Pixel size	2.4 x 2.4 μm
Frame rate full resolution	17.8 fps (5440 x 3648)
Frame rate other resolutions	41 fps (4096 x 2160); 51 fps (2736 x 1824); 64 fps (1824 x 1216)
Sensitivity	388mV at 1/30sec
Dark Signal	0.21mV at 1/30sec
Cooling	Two-stage TE cooling system -45° below Camera Body Temperature
ADC conversion	14 Bit
Exposure Time	0.1 msec - 3600 sec
Binning	1x1; 2x2; 3x3
IR filter	380-650 nm (IR-cut filter)
Camera power	PC USB
C-mount	YES

ACCESSORIES

Calibration Slide	YES
Always Included	1.8 m USB cable, power supply for cooling system

ENVIRONMENT SPECIFICATION

Working temperature	-10 up to +50°C
Storage temperature	-20 up to +60°C
Relative Humidity	30% to 80%
Storage Humidity	10% to 60%
Dimensions	diam. 100 x 100 mm
Weight	0.590 Kg

SYSTEM REQUIREMENTS

Operating System	Win XP / Win Vista / Win 7 / Win 8 / Win 10 (32 o 64 bit) OSx (Mac OSx) starting from 10.7.5 Linux
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or higher RAM: 2 GB or more USB port: USB 2.0, at least two ports



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.