v 1.2 2018

Model:
C-P20CC

Type:
USB CAMERAS – PRO SERIES

Description:
USB 3.0 C-mount Cooled Color 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	5 fps (5440 x 3648)
Frame rate other resolutions	10 fps (4096 x 2160); 15 fps (2736 x 1824); 30 fps (1824 x 1216)
Sensitivity	426mV at 1/30sec
Dark Signal	0.21mV at 1/30sec
Cooling	Two-stage TE cooling system -45° below Camera Body Temperature
ADC conversion	8 Bit - 14 Bit
Color Depth	1 Bit; 4 Bit; 8 Bit; 24 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