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Pulse 5.0 MP, Basler PowerPack Microscopy Camera

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Basler PowerPack Pulse Microscopy Camera



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Color

Spectrum:

General

Color Microscopy Camera

Type:

Pulse 5.0 MP

Model Number:

Basler	Manufacturer:
Pulse	Camera Series:

Accessories include a CS-Mount to C-Mount adapter ring and a USB3 cable	Note:
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Physical & Mechanical Properties

38.8 Dia. x28.64 Length (includes connectors and lens mount)	Dimensions (mm):
60	Weight (g):
Full	Housing:

Sensor

Not Specified	Image Buffer:
1/2.5"	Sensor Format:
5.00	Resolution (Megapixels):
14.00	Frame Rate (fps):
2,592 x 1,944	Pixels (H x V):
2.2 x 2.2	Pixel Size, H x V (µm):
5.7 x 4.28	Sensing Area, H x V (mm):
ON Semi MT9P031	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:
Manual and Automatic	Exposure Time:
70.1	Dynamic Range (dB):
USB3 Vision v1.0	Machine Vision Standard:

Electrical

Not Specified	Power Consumption (W):
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Hardware & Interface Connectivity

USB 3.0	Interface:
USB 3.0, Micro-B	Connector:
Power over USB	Power Supply:
N/A	GPIOs:
Software Trigger or Free-Run	Synchronization:
Side Panel	Interface Port Orientation:
None	GPIO Connector Type:

Threading & Mounting

C/CS-Mount	Mount:
¼-20 (Integrated into Housing)	Mounting Threads:

Environmental & Durability Factors

0 to +50	Operating Temperature (°C):
-20 to +80	Storage Temperature (°C):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Product Details

- High Performance Cameras Featuring State-of-the-Art CMOS Sensors
- Professional Software for Image Acquisition and Analysis Included
- Unique Advanced Image Enhancement and Color Adjustment Technology

Basler PowerPack Microscopy Cameras are available in various configurations designed for efficiency and performance. To facilitate system integration, these cameras have been designed with USB 3.0 connectivity with USB 2.0 backwards compatibility, as well as a small and compact form factor. The Pulse models utilize the industry established ON Semiconductor Aptina sensors, offering accurate reproducible results for a broad range of applications. The Ace model makes use of the SONY Pregius sensor which features low noise and large dynamic range. Basler PowerPack Microscopy Cameras are ideal for applications that require high frame rates for smooth live viewing, fast focusing, and sample screening.

Note: Pulse models include a CS-Mount to C-Mbunt adapter ring. All models include a USB3 cable, Basler Microscopy software, and Quick Install Guide.