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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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## Product Downloads

Color **Spectrum:**

## General

Color Microscopy Camera **Type:**

**Model Number:**

Pulse 5.0 MP

Basler **Manufacturer:**

Pulse **Camera Series:**

**Note:**  
Accessories include a CS-Mount to C-Mount adapter ring and a USB3 cable

## 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):**

## 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:**

1/4-20 (Integrated into Housing) **Mounting Threads:**

## Environmental & Durability Factors

0 to +50 **Operating Temperature (°C):**

-20 to +80

Storage Temperature (°C):

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## Regulatory Compliance

[Compliant](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Compliant](#)

Reach 235:

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## 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-Mount adapter ring. All models include a USB3 cable, Basler Microscopy software, and Quick Install Guide.

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