**OEM AUTOMATIC**

**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# BASLER PULSE USB3.0 CAMERAS

## Compact Cameras

**BASLER** the power of sight

PUA1280-54UM/CS
USB 3.0 Camera-Aptina ARO134, 1/3" CMOS, 54 fps,
1,2 MP, CS

- Resolution: up to 5 MP and frame rate: up to 60 fps
- Supported by Pylon Suite software and open-source SDKs for easy image acquisition and fast application development
- Compact size and elegant design
- USB3.0 Vision compatible

## PRODUCT DESCRIPTION

The Basler Pulse series of USB 3.0 cameras combines compact design with powerful imaging performance, making it ideal for applications that require both form and function. Housed in a lightweight, durable aluminium casing, these cameras feature high-quality CMOS sensors with resolutions ranging from 1.2 to 5 megapixels and support frame rates up to 60 fps. The USB 3.0 interface provides high-bandwidth data transfer (up to 5 Gbps), ensuring low-latency, high-resolution image capture with minimal setup complexity. With a standard C-mount lens interface, built-in image processing capabilities, and support for the USB3 Vision and GenICam standards, the Basler Pulse is easy to integrate into a variety of systems.

In practical terms, Basler Pulse cameras are well-suited for medical imaging, embedded vision systems, retail analytics, robotics, and portable inspection devices. Their sleek, space-saving design (weighing just 60 grams) makes them ideal for systems with tight space constraints or aesthetic requirements, such as point-of-sale kiosks or patient-facing medical equipment. The combination of robust construction and high image fidelity also makes them reliable for 24/7 use in demanding environments. With full support from the Basler Pylon SDK, developers can quickly implement advanced imaging features to meet specific project needs.

# TECHNICAL DATA

| | |
|---|---|
| **3612_Pixel size (µm)** | 3.75 x 3.75 |
| **Approvals** | CE, FCC, GenICam, RoHS, UL, USB3 Vision, EAC |
| **Frame rate max** | 54 fps |
| **Interface** | USB 3.0 |
| **Length** | 28.2 mm |
| **Lens barrel** | CS-mount |
| **Mono/color** | Mono |
| **Operating temperature** | 0°C … 50°C |
| **Power consumption** | 1.3 W |
| **Resolution max** | 1280 x 960 px |
| **Sensor model** | ARO134 |
| **Sensor size** | 1/3" |
| **Sensor supplier** | ON Semiconductor |

| Sensor Type | CMOS |
|---|---|
| Shutter type | Global |
| Weight | 60 g |