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

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



