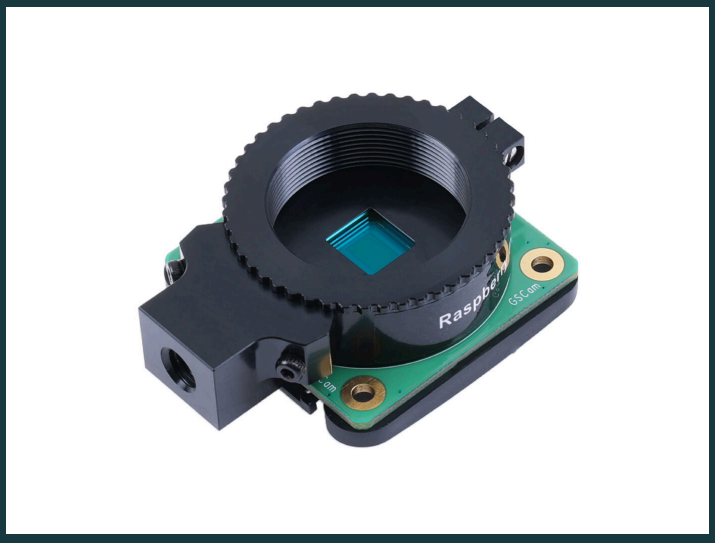
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Raspberry Pi Global Shutter Camera - C/CS-mount, 1.6-megapixel IMX296 sensor, 3.45µm × 3.45µm pixel size, adjustable back focus length

Raspberry Pi Global Shutter Camera: C/CS-mount, global shutter IMX296 sensor, adjustable back focus 12.5mm–22.4mm, for rapid motion capture and industrial machine vision.

SKU	UPDATED	PRICE
114993075	2026-09-24 01:03:04	$50.00(Excl. VAT)



Overview

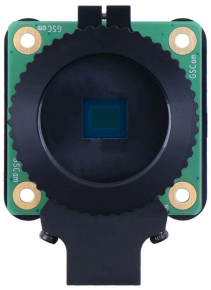


The Raspberry Pi Global Shutter Camera features a 1.6-megapixel IMX296 global shutter sensor with 3.45µm × 3.45µm pixel size and high light sensitivity, enabling exposure times as low as 30µs. It offers C/CS-mount lens compatibility and an adjustable back focus length of 12.5mm – 22.4mm, suitable for applications such as industrial machine vision, rapid motion capture, sports analysis, and traffic monitoring.

Key Features

- **Raspberry Pi Global Shutter Camera Sensor:** Use specialized global shutter technology, which enables it to capture rapid motion without introducing artifacts common in rolling shutter cameras
- **High Light Sensitivity for High-speed Photography:** Offer a large pixel size of 3.45μm × 3.45μm, providing high light sensitivity, enabling short exposure times as low as 30μs, when there is adequate lighting
- **6MP Sony IMX296 Sensor:** Provide low pixel count, suitable for high-resolution images applied in machine vision model processing can be captured natively
- **C/CS-mount Lens Compatibility:** Provide compatibility with a wide range of lenses, giving users flexibility in choosing the most suitable lens for different scenarios
- Adjustable back focus length of lens for 12.5mm – 22.4mm

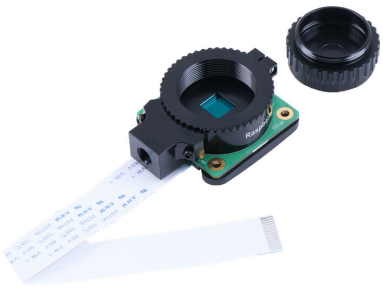
Product Gallery

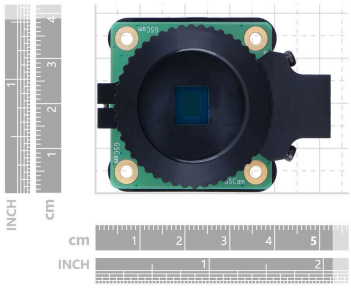












Specification

Specification	Value
Form factor	38 × 38 × 19.8mm (29.5mm adapter and dust cap)
Weight	34g (41g with adapter and dust cap)

Sensor	Sony IMX296LQR-C
Resolution	1.58 megapixels (colour)
Sensor size	6.3mm sensor diagonal
Pixel size	3.45µm × 3.45µm
Output	RAW10
Back focus length of lens	Adjustable (12.5–22.4mm)
Lens standards	CS-Mount, C-Mount (C-CS adapter included)
IR cut filter	Integrated
Ribbon cable length	150mm
Included accessories	C-CS mount adapter, screwdriver
Tripod mount	1/4"-20

Applications

- **Traffic monitoring and analysis**
- **Sports analysis and coaching**
- **Quality control in manufacturing**
- **Agriculture and crop analysis**
- **Product testing and analysis**
- **Virtual and augmented reality**
- **Sports Photography**
- **Industrial Machine Vision**
- **Rapid Motion Capture**

Part List

Raspberry Pi Global Shutter Camera	x1

Compliance & Logistics

HSCODE	8525891900
USHSCODE	8525895050
UPC	
EUHSCODE	8517600000
COO	UNITED KINGDOM

Resource Links

- https://www.seeedstudio.com/Raspberry-Pi-Global-Shutter-Camera-p-5591.html
- Raspberry Pi Global Shutter Camera Product Brief
- Raspberry Pi Global Shutter Camera Mechanical Drawing
- Raspberry Pi Global Shutter Camera Documentation

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com