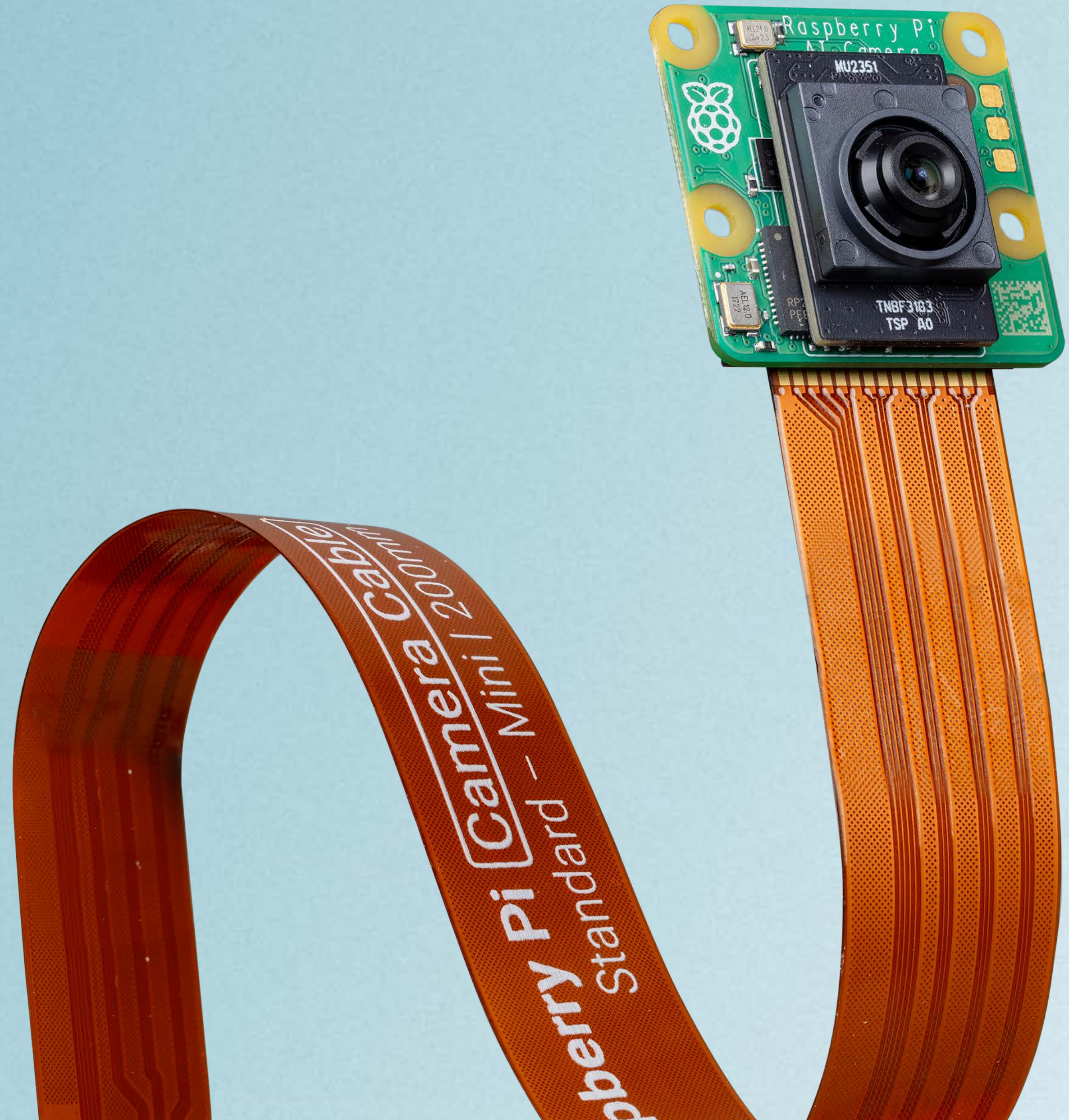


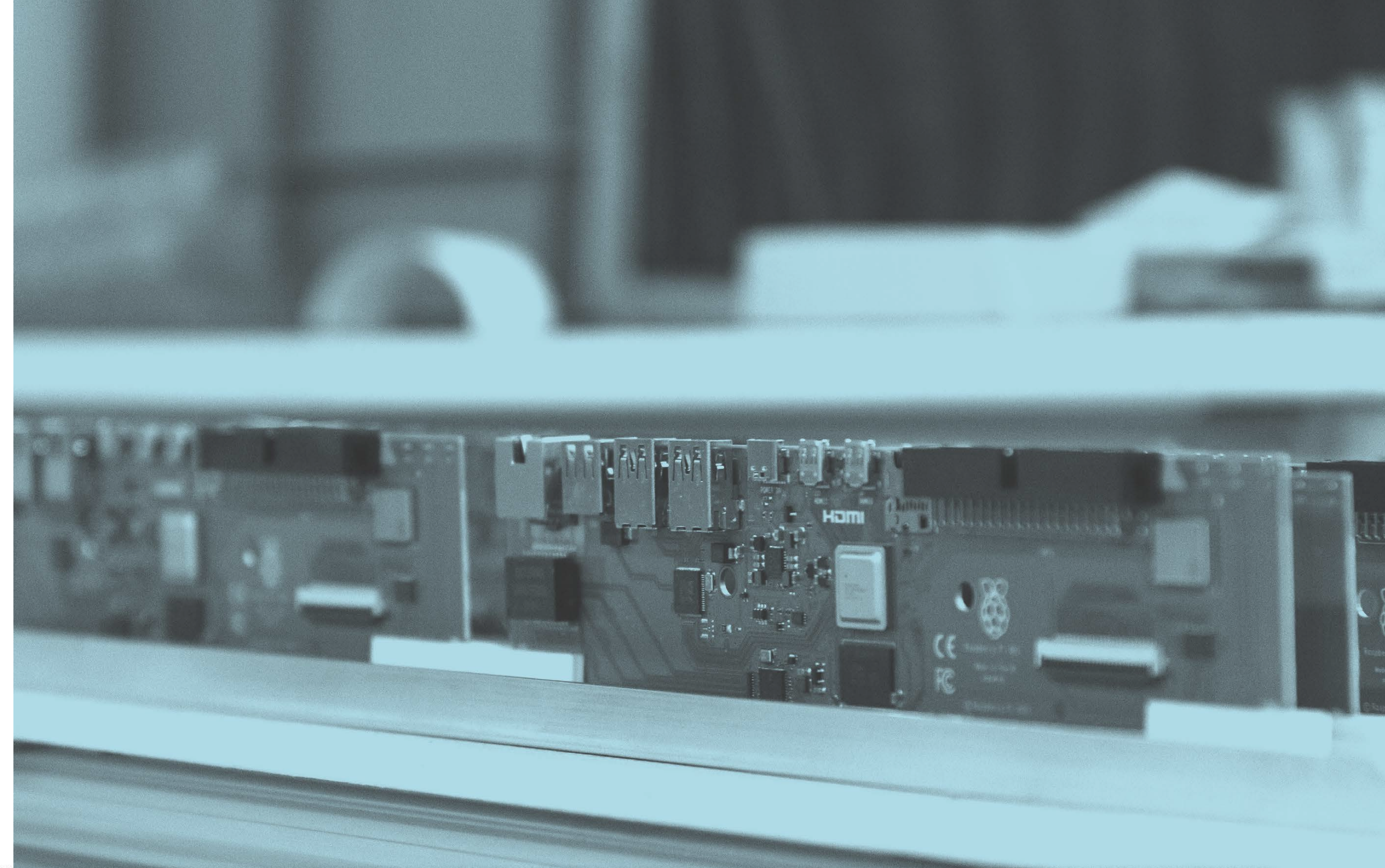


# Raspberry Pi Camera Modules 2026



# Raspberry Pi at a glance

Launched in  
**2012**



**70%**

... of products sold go to industrial and business customers

**UK**  
Headquarters

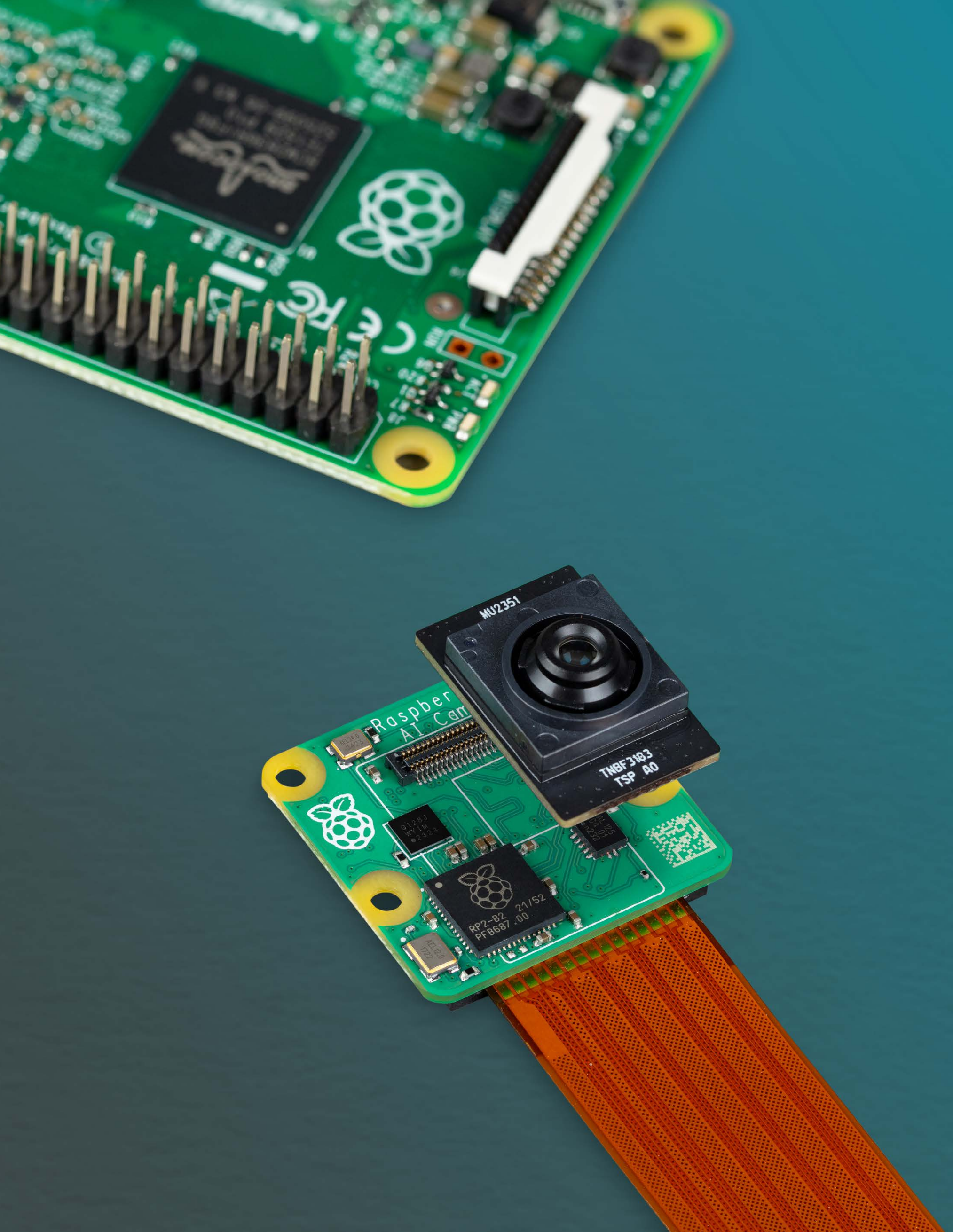
Designed and manufactured in the United Kingdom

**73M+**

... computers sold to date

**\$266M**  
FY23 revenue

Large global customer base



# Raspberry Pi AI Camera

Compatible with all Raspberry Pi computers, the Raspberry Pi AI Camera takes advantage of Sony's IMX500 Intelligent Vision Sensor to help you create impressive vision AI applications and neural network models using the on-module AI processor and Raspberry Pi's rich camera software libraries.

The IMX500's tight integration with Raspberry Pi's camera software stack allows users to deploy their own neural network models with minimal effort.

To help customers get started, we developed a guide to getting either a pre-packaged or custom-made neural network model running on the camera. This can be found on our documentation page.

Once AI models and applications for the IMX500 and Raspberry Pi have been created, users can scale up to an enterprise deployment with Sony's AITRIOS.

# Raspberry Pi Camera Module 3

The classic compact camera for Raspberry Pi. Raspberry Pi Camera Module 3 is a 12-megapixel camera with super-fast autofocus and HDR mode. Available with your choice of standard and wide lenses, with or without an infrared filter.

## Variants

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Standard

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NoIR

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Wide

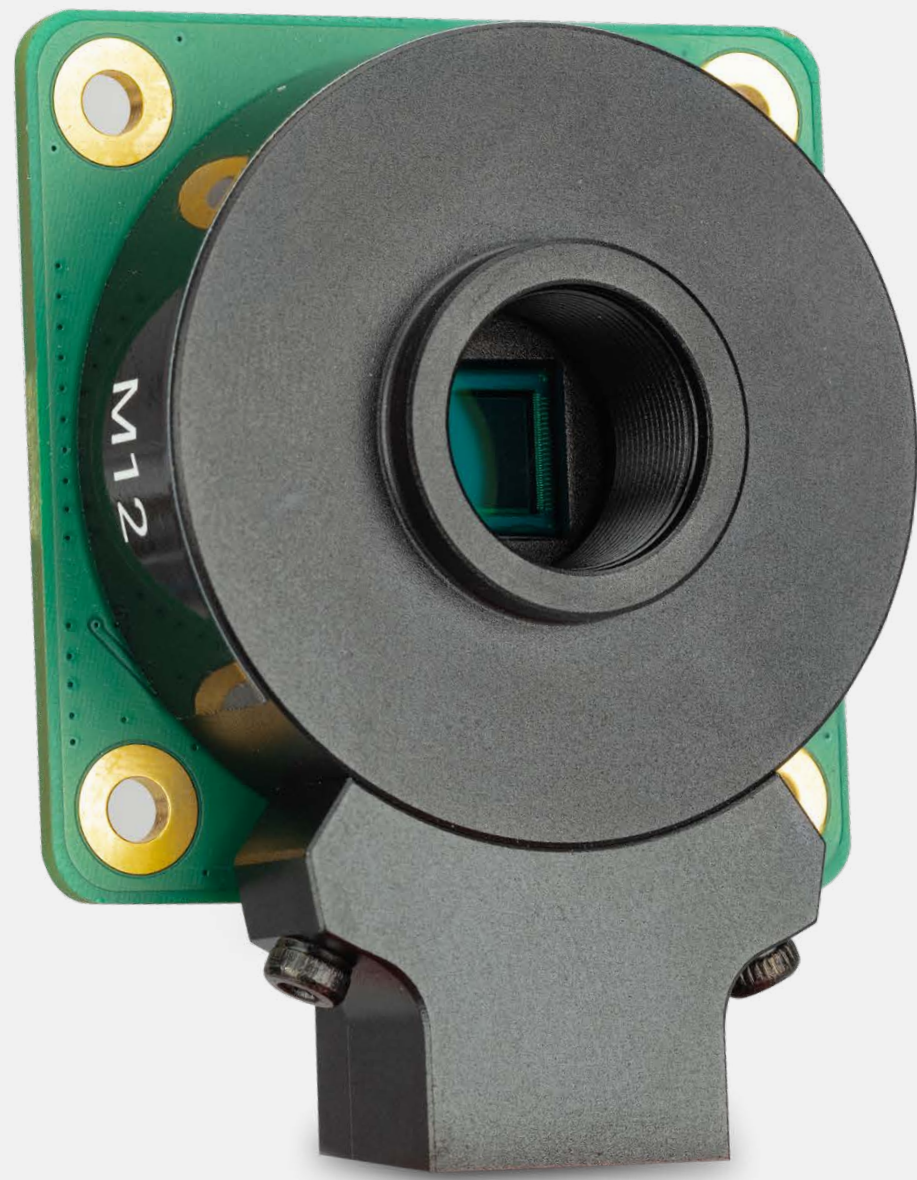
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NoIR Wide

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# Raspberry Pi High Quality Camera

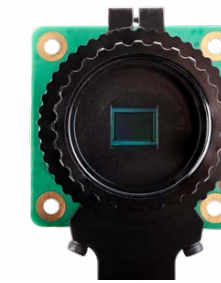
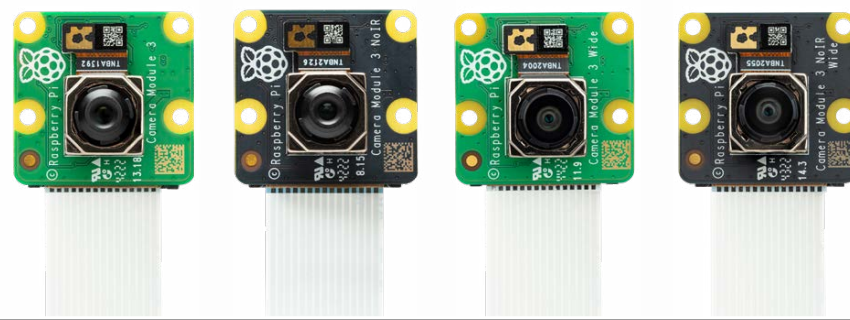


12.3-megapixel camera with a Sony IMX477 sensor, 7.9 mm diagonal image size, back-illuminated sensor architecture, and adjustable back focus. Available with your choice of C/CS mount or M12 mount.

# Raspberry Pi Global Shutter Camera



A specialised 1.6-megapixel camera that can capture rapid motion without introducing artefacts typical of rolling shutter cameras. Ideal for fast motion photography and machine vision applications.



	Raspberry Pi AI Camera	Raspberry Pi Camera Module 3 Standard, NoIR, Wide, Wide NoIR	Raspberry Pi High Quality Camera	Raspberry Pi Global Shutter Camera
<b>Resolution</b>	12.3 megapixels	11.9 megapixels	12.3 megapixels	1.58 megapixels (colour)
<b>Sensor size</b>	7.9mm sensor diagonal	7.4mm sensor diagonal	7.9mm sensor diagonal	6.3mm sensor diagonal
<b>Pixel size</b>	1.55µm × 1.55µm	1.4µm × 1.4µm	1.55µm × 1.55µm	3.45µm × 3.45µm
<b>Sensor resolution</b>	4056 × 3040 pixels	4608 × 2592 pixels	4056 × 3040 pixels	1456 × 1088 pixels
<b>Focus type</b>	Manual adjustable focus	Autofocus	Manual adjustable focus	Manual adjustable focus
<b>Focal range</b>	20cm–∞	10cm–∞ (Standard and NoIR) 5cm–∞ (Wide and Wide NoIR)	N/A	N/A
<b>Focal length</b>	4.74mm	4.74mm (Standard and NoIR) 2.75mm (Wide and Wide NoIR)	Depends on lens	Depends on lens
<b>Focal ratio (F-stop)</b>	F1.79	F1.8 (Standard and NoIR) F2.2 (Wide and Wide NoIR)	Depends on lens	Depends on lens
<b>Infrared sensitive</b>	No	No (Standard and Wide) Yes (NoIR and Wide NoIR)	No	No
<b>Dimensions</b>	25 × 24 × 11.1mm	25 × 24 × 11.5mm (12.4mm height for Wide variants)	9 × 4 × 3.5cm	38 × 38 × 19.8mm (29.5mm with adapter and dust cap)
<b>Production lifetime</b>	January 2028	January 2030	January 2030	January 2032
<b>More information</b>	<a href="#">Product brief</a>	<a href="#">Product brief</a>	<a href="#">Product brief</a>	<a href="#">Product brief</a>

# Why Raspberry Pi?

- Secure and reliable platform
- 10+ year guaranteed production lifetime
- Designed and manufactured in the UK
- Easy to use, with vast, mature ecosystem
- Extensive high-quality documentation
- Low power consumption
- Cost-effective and affordable
- Reduces engineering costs and time to market

