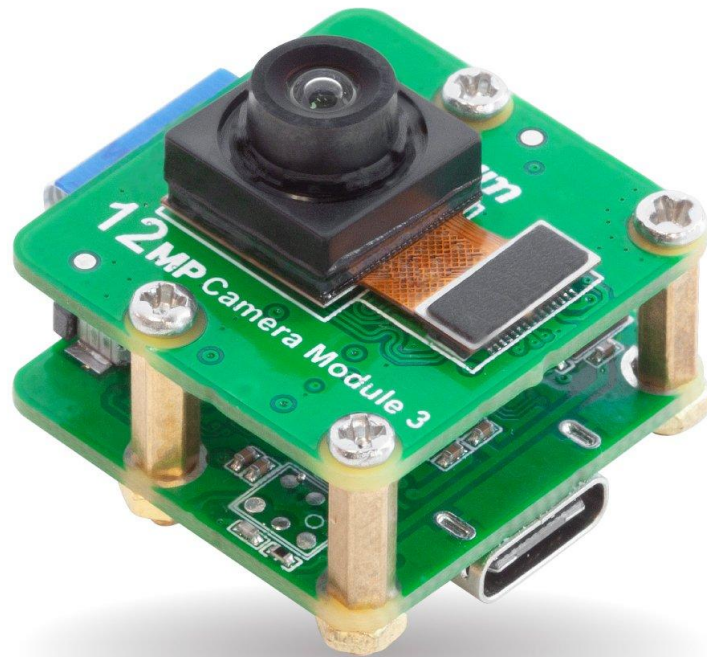


## 12MP IMX708 USB UVC 102° Wide Angle Fixed-Focus Camera Module 3

**ArduCam**

SKU: B0305



**12**MP

**102°**

Win/Linux/Mac OS

Wide-Angle

Plug and Play

**ArduCam**

SKU: B0305

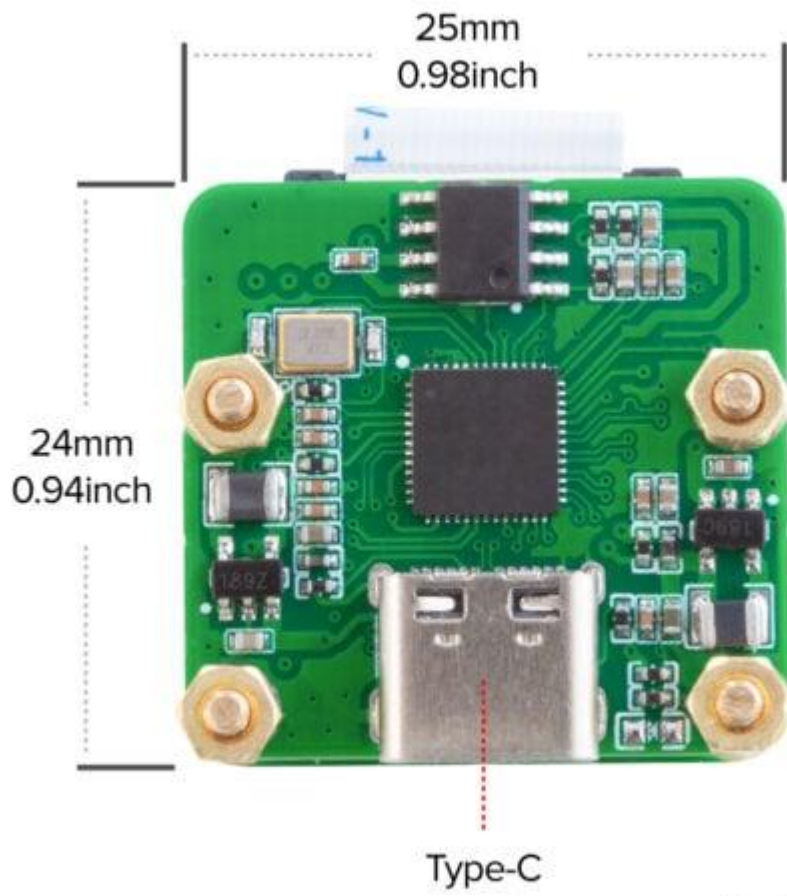


**ArduCam**

SKU: B0305



MIC



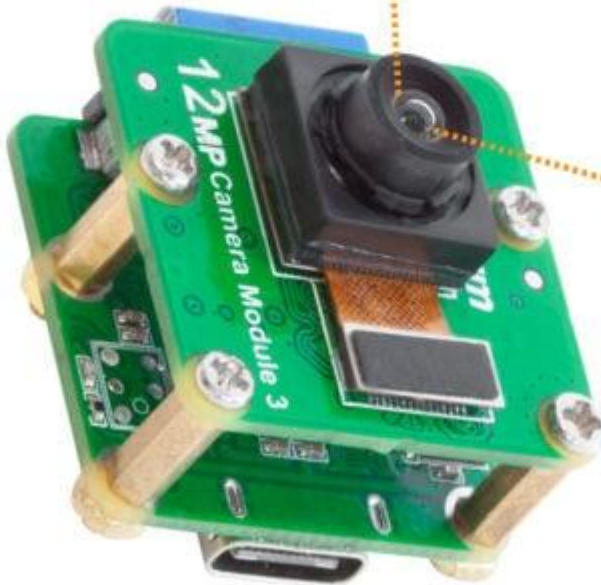
**ArduCam**  
SKU: B0305

**ArduCam**

SKU: B0305

**Wide-Angle**

**102°**





**ArduCam**  
SKU: B0305

SKU: B0305

12MP IMX708 USB UVC 102° Wide Angle Fixed-Focus Camera Module 3 quantity

- **Compatible with All Platforms:** Compatible with Windows, Linux, Mac, Android, and so on.
- **Plug and Play:** Integrated All pre-training examples. No additional driver is needed.
- **High Resolution:** Based on Sony 12MP IMX708 High Resolution Image Sensor. Active Pixels: 4608(H)x2592(V)
- **Wide Angle:** Equipped with a Wide-Angle Lens, FOV:120°(D)x102°(H)x67°(V). Integral 650nm IR-cut filter.

- Alternative Options: This kit is the Wide Angle IMX708 UVC camera kit, you can check Standard Angle Version: [B0304](#)

## Overview

At present, the MIPI CSI interface used by most embedded cameras is high-speed and stable, but the compatibility and convenience are far less than the USB interface compatible with the UVC protocol. And under the premise of MIPI CSI interface, many platform to use the camera needs supporting drivers and software, such as libcamera on the Raspberry Pi, V4L driver on Ubuntu, etc.

Our first attempt was to adapt the UVC adapter board on the Raspberry Pi HQ Camera, through which the UVC protocol support and communication can be realized. The same is true for the IMX708 UVC camera, which we adapted so you can use it as a webcam. The camera is equipped with a 120°(D)x102°(H)x67°(V) Fixed Focus Lens and On-Board Audio. It is compatible with Windows, Linux, Android and MAC and so on. You don't need to install any additional drivers other than the device driver, which is a truly convenient camera.

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## Applications

- Webcam
  - Home Surveillance System
  - Wildlife Photography
  - DSLR Camera Control
  - Instant (Polaroid-Style) Camera, etc.
- 

## Features

- Compatible with All Platforms: Adopting UVC protocol, compatible with various platforms and operating systems, such as Windows, Linux, Mac, Android, etc.
- Plug and Play: Only the USB device driver needs to be installed, no additional drivers are needed depending on the platform. Just plug-and-play after the installation is completed.
- High-Quality Images: Based on SONY 12MP IMX708 Image Sensor. Max Resolution: 4608×2592. The high resolution allows you to get sharper and more recognizable images at a greater distance.

- Wide Angle: Equipped with a 102° Wide Angle Fixed Focus Lens. Wide-angle Lens allows you to use the camera to get a wider field of view, especially for wide-area projects.
- Audio Function: We have equipped this USB UVC camera kit with a microphone module that supports High-Quality audio input/output.

### Specifications

Sensor	IMX708
Resolution	12MP
Color Filter Type	Color
Shutter Type	Rolling Shutter
Optical Size	1/2.43"
Output Format	MJPEG
Pixel Size	1.4µm × 1.4µm
Sensor Active Area	4608 × 2592
Frame Rate	4608×2592@10fps, 2304×1296/ 1920×1080/1600×1200/1280×720@30fps
Focus Type	Fixed Focus
FOV	120°(D)x102°(H)x67°(V)
Lens Mount	Stock Lens

Sensor	IMX708
Default Focus Distance	1.5m -∞
F.NO	F2.2
E.F.L	/
Focal Length	2.75mm
IR Sensitivity	Integral IR-cut Filter, visible light only
Interface	USB2.0 Device
Adapter Board Size	24mm x 25mm
UVC Compliant	No additional drivers is required
Operating Voltage	DC 5V +/- 5%
Working Current	Max 300mA
Operating Temp.	-4°F-158°F(-20°C to 70°C)
Camera Board Size	24mmx25mm
Audio	Single Microphone
Supported OS	Windows, Linux, Android and MAC

Sensor	IMX708
Sample Application	Amcap-Windows Camera application for Video and Still Capture
UVC Controls	Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, White Balance, Gain, Exposure, Focus

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### Package Including

- 1 x Arducam IMX708 Wide-Angle Fixed Focus Camera Module with UVC adapter board
  - 1 x USB2.0 Cable (1m/3.3ft)
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### Notes

- The package contains small contents, please keep it away from children to avoid accidental ingestion
  - After receiving the package, please confirm whether the contents of the package are consistent with the description.
  - If you can't capture the images using Amcap, please try other software such as USB Camera, PotPlayer, etc.
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