

Introducing Arducam T2

Your Affordable **RGBD** ToF Depth Camera

get it now DEMO

ArduCam RGB DEPTH

Next-Level Performance

A Major Leap from Arducam T1

RGBD Imaging, 1% Accuracy, Up to 52fps, VGA Resolution, and Flexible Modes—Tailored to Your Depth Imaging Needs.

*For Frame rate performance under different configurations, please see the product SPEC below.

Arducam T2 in action

master Demo



Choose from our all-in-one Raspberry Pi 5 kit or customize the camera module for your unique depth imaging needs



Meet the Arducam T2 Family

Product Line Overview



Depth Camera Module(OEM/ODM)

Customize for your specific application.

Ideal for industrial, commercial, and large-scale projects.

Available for customization inquiries only. (OEM/ODM)

Request for Quote



RGBD Camera Module(OEM/ODM)



All-in-one RPi5 Kit (Off-the-shelf)

Ready to use out of the box

Includes Raspberry Pi 5, Arducam T2 camera module, and the official RPi5 case.

Perfect for developers, hobbyists, and prototyping.

Explore the Kit

Unmatched Performance for Mid-Range Depth Sensing

Performance Overview

Key Spec		Arducam T2		
		AI-in-one RPi5 Kit (Off-the-shelf)	RGBD Camera Module (OEM/ODM)	Depth Camera Module (OEM/ODM)
RGB camera	RGB Sensor	16MP Color Image Sensor	16MP Color Image Sensor	
	Max Resolution & Frame Rate	4656×3496@10fps on Raspberry Pi	4656×3496@30fps (Sensor)	
	Camera Interface	MIPI CSI-2	MIPI CSI-2	
	Focus Type	Fixed Focus	Fixed Focus	/
	Field of View(FOV)	65°(H)x52°(V)x78.4°(D)	65°(H)x52°(V)x78.4°(D)	
	IR Sensitivity	Integral 650nm IR Filter	Integral 650nm IR Filter	
Depth camera	Mode/Depth range	Near mode: 1.1m; Far mode: 4.5m	Near mode: 1.1m; Far mode: 4.5m	Near mode: 1.1m; Far mode: 4.5m
	Accuracy	1%@full range	1%@full range	1%@full range
	Modulation Frequency	Single Frequency: 90MHz / Dual Frequency: 90MHz/15MHz	Single Frequency: 90MHz / Dual Frequency: 90MHz/15MHz	Single Frequency: 90MHz / Dual Frequency: 90MHz/15MHz
	Camera Interface	MIPI CSI-2	MIPI CSI-2	MIPI CSI-2
	Max Resolution	VGA 640*480 @7FPS (Single-Freq.) on Raspberry Pi	VGA 640*480@33FPS (Single-Freq.) (Sensor)	VGA 640*480@33FPS (Single-Freq.) (Sensor)
	Max Frame Rate	25FPS @QVGA 320x240 (Single-Freq.) on Raspberry Pi	52FPS @QVGA 320x240 (Single-Freq.) (Sensor)	52FPS @QVGA 320x240 (Single-Freq.) (Sensor)
	Output Format	RAW12	RAW12	RAW12
	Light Source	940nm VCSEL illuminator	940nm VCSEL illuminator	940nm VCSEL illuminator
	Field of View(FOV)	64°(H)x50°(V)x78°(D)	64°(H)x50°(V)x78°(D)	64°(H)x50°(V)x78°(D)
Electrical	Power Consumption	MAX: 27W	MAX: 5W	MAX: 3.5W
Others	Platform	Raspberry Pi 5	Raspberry Pi 5/ ARM based SoC / Windows / Linux	Raspberry Pi 5/ ARM based SoC / Windows / Linux

For detailed specifications and technical data, please visit our wiki page

Why Choose Arducam T2?

Key Features

High Resolution

640×480 depth imaging for detailed depth maps.

Flexible Frame Rate

Up to 52FPS in QVGA mode for real-time applications.

Dual-Frequency Mode

Near mode (1.25m) and Far mode (4.5m) for versatile use.

Compact Design Module

38mm x 38mm form factor, ideal for embedded systems.

Platforms Optimized

Fully compatible with Raspberry Pi 5, ARM ARM-based SOC, Windows, Linux, etc.

Low Power Consumption

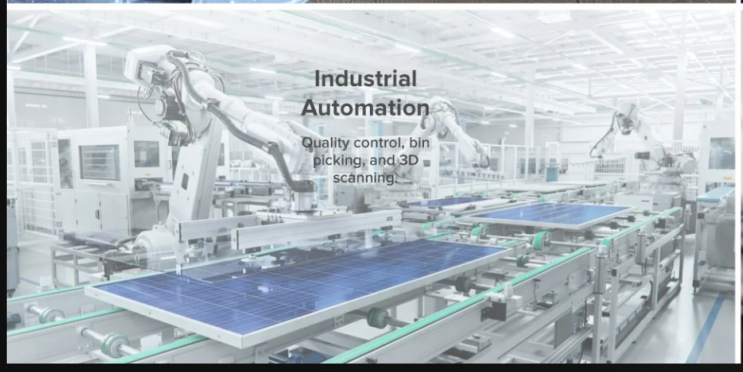
Average 600mW for energy-efficient operation.

Endless Possibilities with Arducam T2

Use Cases









Affordable Depth Sensing for Everyone

Pricing and Availability

At Arducam, our mission is to simplify embedded vision and empower innovation. We believe that cutting-edge technology should be accessible to everyone, which is why we've designed the Arducam T2 to deliver high-performance RGBD ToF sensing at an unbeatable price. By offering carefully curated, user-friendly, and cost-effective solutions, we aim to enhance the visual capabilities of your projects—whether you're a hobbyist, developer, or enterprise. With the Arducam T2, we're making advanced depth sensing more affordable and easier to integrate than ever before.



Available at $299.99 only now.

Order the Kit

Arducam T2 in action

more DEMOs



Arducam T2 RGBD Kit – Point Cloud

Arducam T2 RGBD Kit – ROS2

Arducam T2 RGBD Kit – Volume Measurement

Get Started with Arducam T2

Support and Resources



Documents

Explore more



Off-the-shelf Product

Order the Kit



Depth Camera Module

OEM/ODM

Quote Request



RGBD Camera Module

OEM/ODM

Quote Request

Other Questions

Contact us

Products

- Evaluation Kit (EVK)
- Embedded Camera Module
- UVC Camera Module
- Edge AI
- Optical Components

Customization

- Custom Design
- Capabilities
- Customer Stories
- Arducam Partners
- Arducam Shop

Partnership

- with SONY
- with libcamera
- with Luxonis
- with Ezurio
- More Partners

Resources

- Docs / WiKi
- Blog
- Forum
- FOV Calculator
- Lens Selection Guide
- Solutions

Contact

- About Us
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ArduCam

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