

INDUSTRIAL PRODUCT DATASHEET

Orbbec Gemini 2 3D Camera

Orbbec Gemini 2 3D Camera offers active stereo IR depth sensing, 0.15m–10m range, 91° x 66° FOV, multi-camera sync, and USB 3.0 Type-C connectivity for robotic and drone applications.

SKU	UPDATED	PRICE
101090144	2026-06-10 12:06:55	\$240.00(Excl. VAT)



Overview



Orbbec Gemini 2 3D Camera employs active stereo IR technology to deliver accurate depth data from 0.15m to 10m with a 91° horizontal and 66° vertical field of view. It supports multi-camera synchronization and uses a single USB 3.0 Type-C cable for power and connectivity, suitable for applications such as the Lerobot SO-ARM101 robotic arm and drones/robotics.

Key Features

- **Active Stereo IR** Employs active stereo IR technology for depth output, enabling accurate and reliable data output in various lighting conditions
- **Wide Sensing Range** Provides quality depth data output from 0.15m to 10m
- **Wide FOV** Provides wide field of view data at 91-degree horizontal and 66-degree vertical
- **Multi-camera synchrnoization** Supports multi-camera synchronization for both depth image and RGB image
- **USB Connection** Uses single USB 3.0 Type-C cable for power and connectivity

Product Gallery

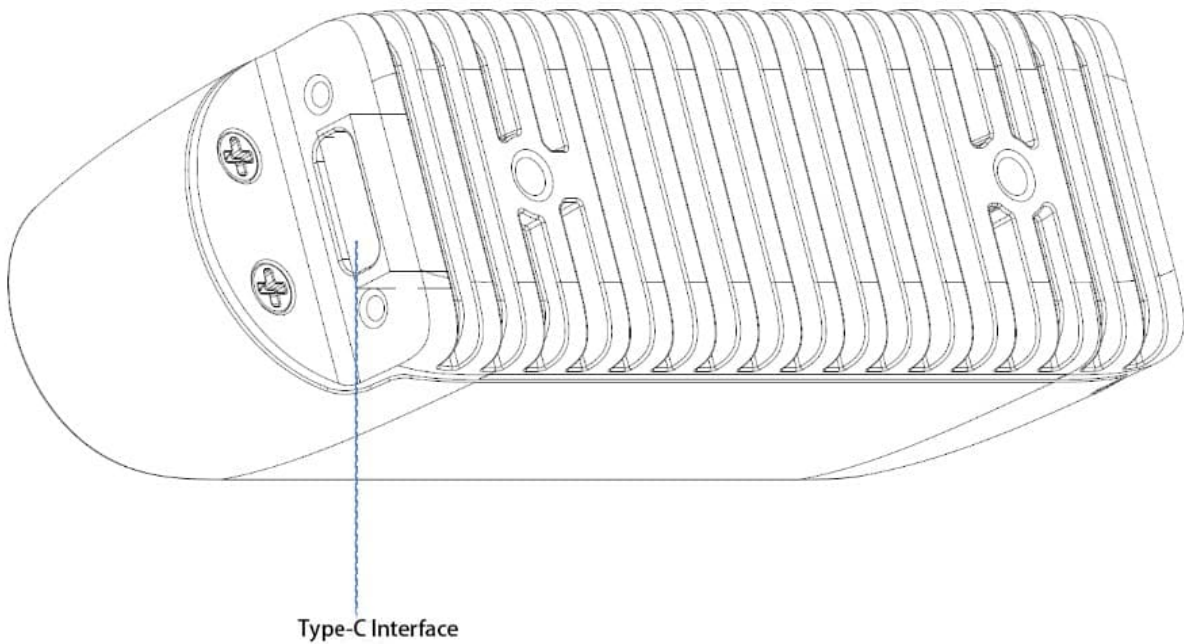


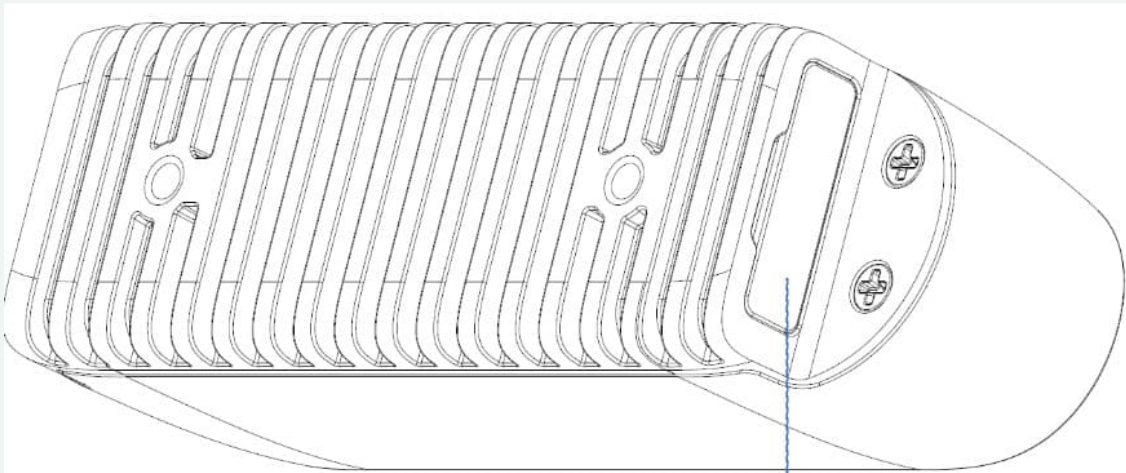
Specification

Product	Orbbec Gemini 2
Voltage	5V (USB Type-C)
Depth Technology	Active Stereo IR

Operating Temperature	0°C~40°C
Mechanical Dimension	90mm x 25mm x 30mm
Communication Interface	USB 3.0 Type-C
Camera Driver	UVC
Depth Range	0.15m ~ 10m
Ideal Range	0.2m ~ 5m
Depth Resolution	Up to 1280x800 @ 30fps
RGB Resolution	Up to 1920x1080 @ 30fps
Horizontal FOV	91°
Vertical FOV	66°

Hardware Overview





8-Pin Multi-Camera Synchronization Interface

Applications

- Lerobot SO-ARM101 robotic arm
- Drone/Robotic

Part List

Orbbec Gemini 2 3D Camera	x1
USB Type-C to Type-C	x1

Compliance & Logistics

HSCODE	8525891900
USHSCODE	8525895050
UPC	
EUHSCODE	8517600000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Orbbec-Gemini-2-3D-Camera-p-6464.html>
- [Datasheet](#)
- [SDK](#)

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