seeed studio

INDUSTRIAL PRODUCT DATASHEET

Orbbec Gemini 336 Depth Camera

The Orbbec Gemini 336 Depth Camera delivers active stereo IR depth output for autonomous mobile robots, retail shelf robots, and outdoor delivery robots.

SKU	UPDATED	PRICE
100000774	2026-11-11 09:21:32	$310.00(Excl. VAT)



Overview



The Orbbec Gemini 336 Depth Camera uses active stereo IR technology to deliver accurate depth data from 0.1m to 20m with a wide field of view. It supports multi-camera synchronization and connects via a single USB 3.0 Type-C cable, targeting autonomous mobile robots, retail shelf robots, and outdoor delivery robots.

Key Features

01 **Active Stereo IR**

Employs active stereo IR technology for depth output, enabling accurate and reliable data output in various lighting conditions

02 **Wide Sensing Range**

Provides quality depth data output from 0.1m to 20m

03 **Wide FOV**

Provides wide field of view data at 9-degree horizontal and 65-degree vertical

04 **Multi-camera synchrnoization**

Supports multi-camera synchronization for both depth image and RGB image

05 **USB Connection**

Uses single USB 3.0 Type-C cable for power and connectivity

Product Gallery











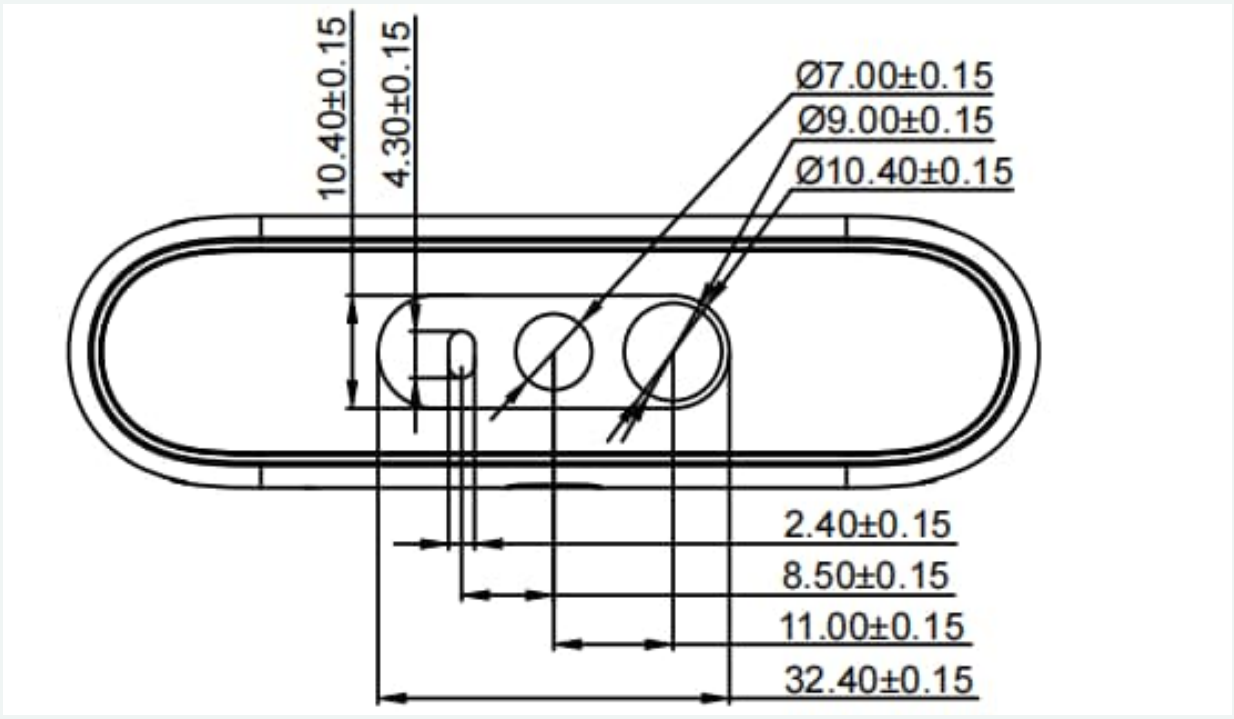


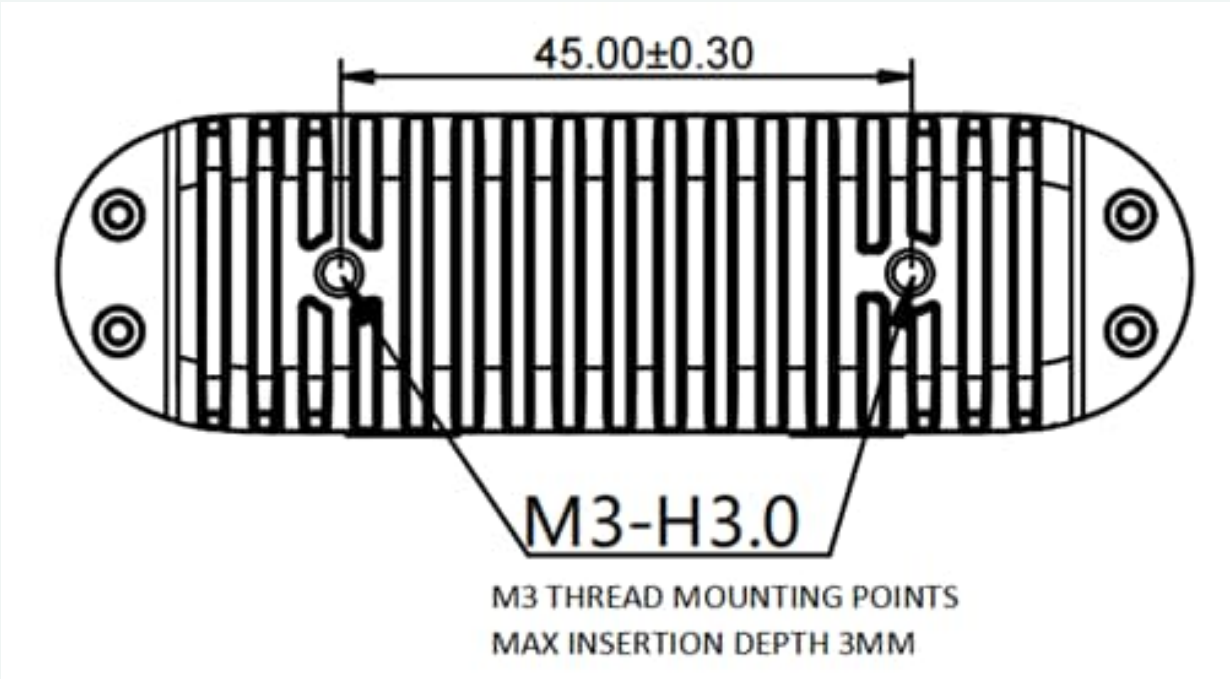
Hardware Overview

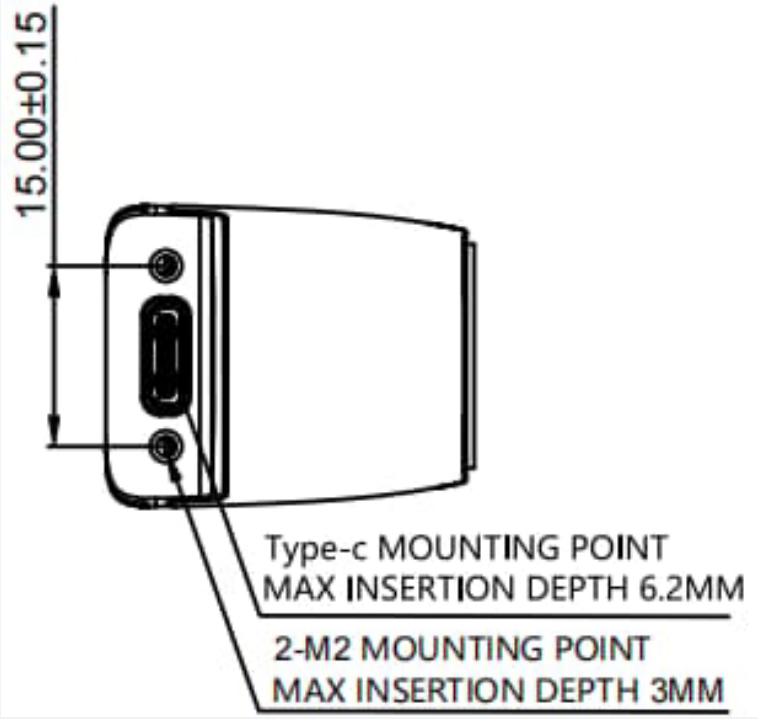







10.40±0.15
4.30±0.15
Ø7.00±0.15
Ø9.00±0.15
Ø10.40±0.15
2.40±0.15
8.50±0.15
11.00±0.15
32.40±0.15


45.00±0.30
M3-H3.0
M3 THREAD MOUNTING POINTS
MAX INSERTION DEPTH 3MM


15.00±0.15
Type-c MOUNTING POINT
MAX INSERTION DEPTH 6.2MM
2-M2 MOUNTING POINT
MAX INSERTION DEPTH 3MM

Applications

- **Autonomous Mobile Robots:** Targeted enhancement of depth imaging quality in reflective areas of high-gloss floor paint or tiled floors under indoor incandescent lighting, as well as in shadowed areas of high dynamic range scenes with sunlight exposure.
- **Retail Shelf Robots:** Targeted enhancement of depth imaging quality in shadowed areas of high dynamic range scenes with sunlight exposure
- **Outdoor Delivery Robots:** Targeted enhancement of depth imaging quality under strong outdoor lighting.

Resource Links

- https://www.seeedstudio.com/Orbbec-Gemini-336-3D-Camera-3D-p-6662.html
- Orbbec33xDatasheet
- Software
- Orbbec OfficialGuide

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