

OBJECT FINDER-ITOF

AB-CM-3D-OR-iTof

ATOMBOTIX



Sony Depth Sensor



Sony Depth Sensor offers highly precise millimeter-level depth measurement

2-megapixel RGB camera



The 2-megapixel RGB camera captures vivid and detailed images

Strong adaptability & low light conditions



It shows excellent adaptability in various light intensities, from bright to low light

Maximum frame rate of 15fps



With a maximum frame rate of 15fps, it can record smooth video sequences

Gigabit Ethernet transmission



Gigabit Ethernet transmission ensures fast and reliable data

Optional Power over Ethernet (PoE)



Optional Power over Ethernet provides convenient and flexible power supply options

Model	AB-CM-3D-OR-iTof
Performance Parameters	
Technology	ToF (Time - of - flight) Depth Camera
Illumination	940 nm, 2 x 6 W Optical Power VCSEL
Depth Sensor Resolution and Frame Rate	640 x 480@15FPS
RGB Sensor Resolution and Frame Rate	1600x1200@15fps
ToF HDR Mode	Supported with Max. 10fps
Depth Sensor FOV	H - 67° V - 50°
RGB Sensor FOV	H - 70° V - 50°
Output Formats	16bit (Depth) + 8bit (IR) + JPEG (RGB)
Use Range	0.15m - 5m
Accuracy	<1%
Power Consumption	Average Max. 7 W(Ref)

Essential Parameters

Dimensions	125 mm × 50 mm × 34.5 mm
Net Weight	256 g
Interface	Gigabit Ethernet
Digital I/O(Synchronization)	1 in, Passive Sync Signal
IP Ratings	IP42
Software	C / C++ / Python / C# / ROS / ROS2
Operation System	Windows 7/8/10/11, Linux, Arm Linux
Cooling	Passive, no fan

Environmental Parameters

Power Supply	DC power
Working Temperature	- 20°C - 50°C
Storage Temperature	- 30°C - 70°C

