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INDUSTRIAL PRODUCT DATASHEET

SLAMTEC Aurora S, Integrated Spatial Perception Module

The Slamtec Aurora S is a next-generation compact AI-integrated spatial perception system launched by SLAMTEC.

SKU	UPDATED	PRICE
100035718	2026-11-11 09:30:46	$800.00(Excl. VAT)



Overview



The Slamtec Aurora S is a next-generation compact AI-integrated spatial perception system launched by SLAMTEC. Integrating visual perception, inertial navigation, and SLAMTEC's self-developed AI deep learning vSLAM technology, it features high integration and plug-and-play functionality. Suitable for high-precision 3D mapping, perception, and spatial positioning across multiple indoor and outdoor scenarios, it can be widely applied in fields such as embodied intelligence, industrial automation, digital twins, and low-speed autonomous driving.

Key Features

01 **SLAMTEC AI Deep Learning Engine**

02 **Provides real-time indoor and outdoor 3D mapping and positioning capabilities**

03 **6DOF Spatial Localization**

Delivers high-precision real-time position and attitude data

04 **End-to-End Stereo Depth Estimation**

Generates dense depth data in real time

05 **AI Object Recognition and Segmentation**

Produces real-time object segmentation maps

06 **Expandable LiDAR**

Supports higher-precision 2D mapping

07 **Equipped with Aurora Remote UI customized interaction software for scene reconstruction and digital twin implementation**

08 **Comprehensive Aurora Remote SDK available, supporting C++, ROS1/ROS2, and Python**

09 **Enables rapid secondary development, custom application building, and accelerated downstream product deployment**

10 **AI Deep Learning vSLAM Engine**

11 **Integrated design with compact form factor**

12 **Out-of-the-box functionality with no external dependencies**

Product Gallery







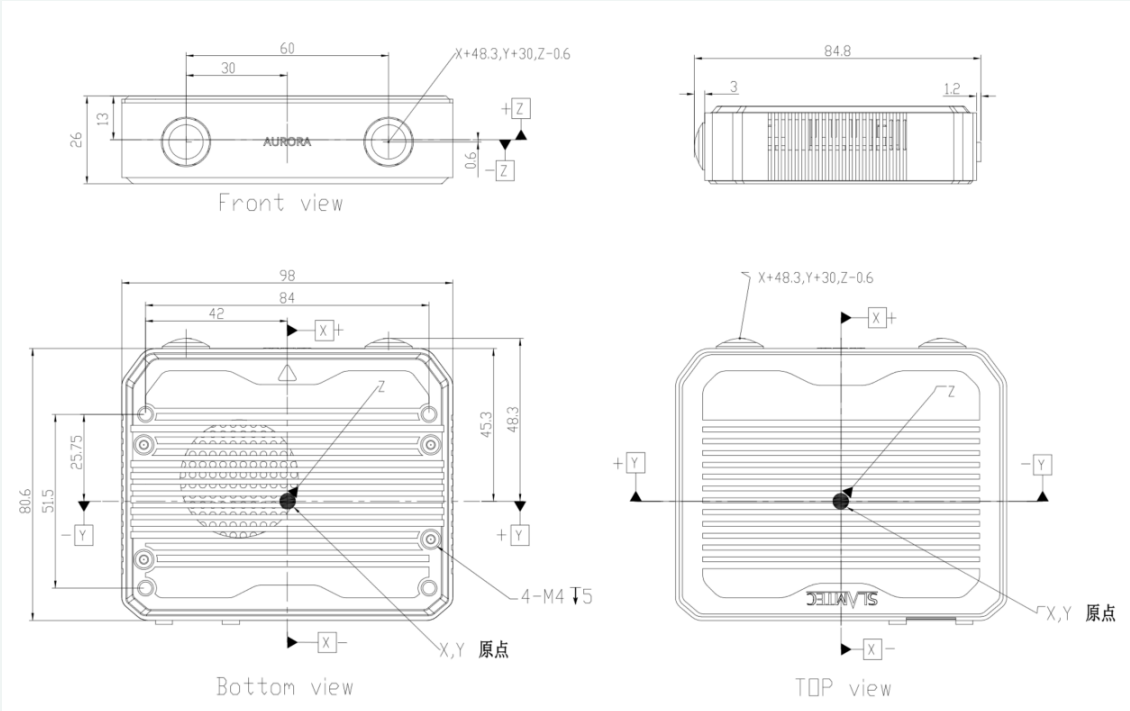




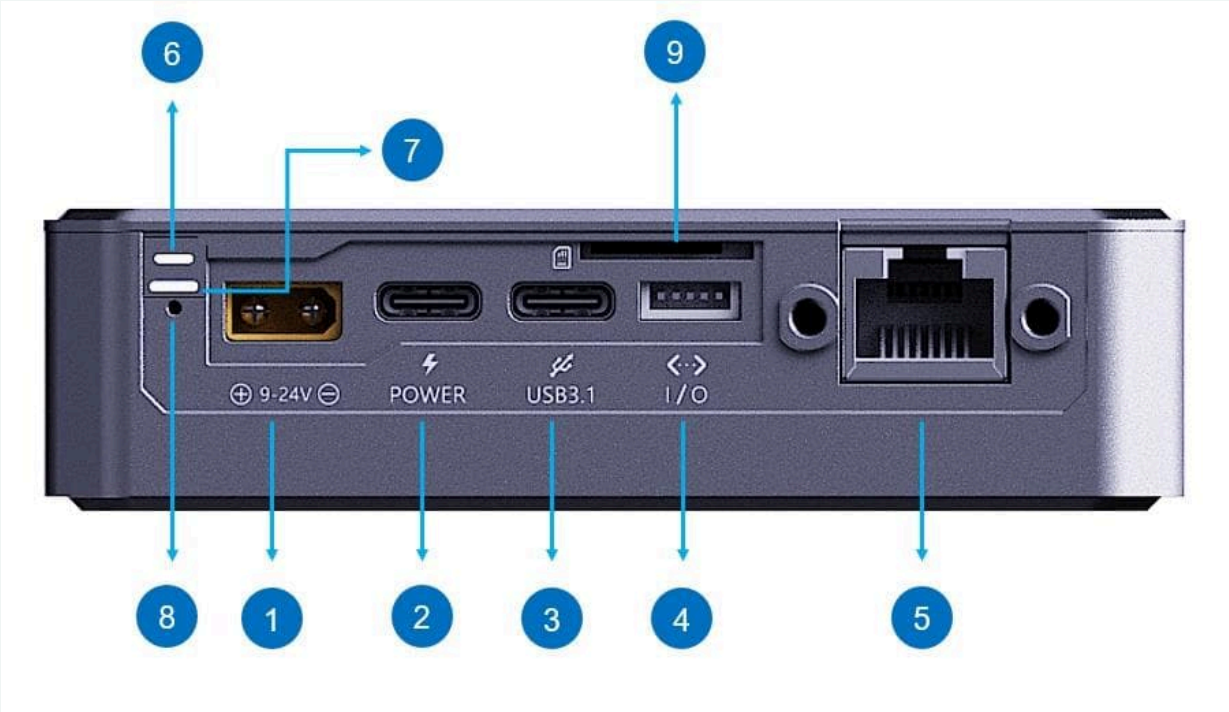


Hardware Overview









Resource Links

- https://www.seeedstudio.com/SLAMTEC-Aurora-S-AI-Integrated-Spatial-Perception-System-p-6669.html
- Aurora_S_datasheet.pdf
- Aurora_S_user_manual.pdf
- OfficialSupportSDK

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