

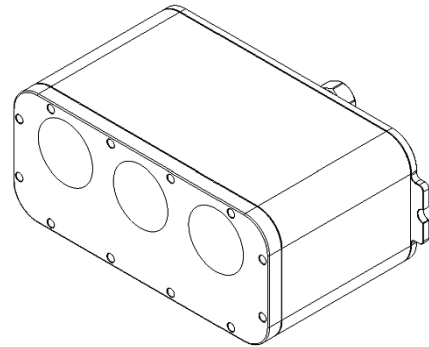
Underwater AI-D Depth Camera Manual

【Product Name】 Underwater AI-D Depth Camera

【Model】 AI-D

【Product Overview】

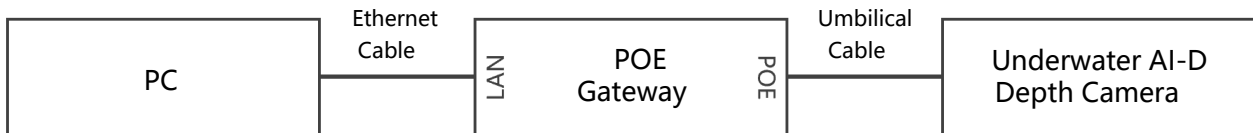
- Operating depth: 300m
- Core module: [OAK-D S2 PoE](#)
- Developer-supported: ROS, Python, C++



【Application Scenarios】

- Visual navigation for ROVs & USVs
- Aquatic organism identification
- Underwater target recognition, dimensional measurement and spatial perception
- Visual obstacle avoidance and navigation
- SLAM

【Connection & Wiring】



Note: It is recommended to use the original matched Ethernet cable and POE Gateway.

Replacement may cause communication failure, and relevant tests shall be conducted by the user.

【Software】 OAK Viewer

Download link: <https://docs.luxonis.com/software-v3/depthai/tools/oak-viewer/>

【For Developers】

Refer to the official OAK documentation: <https://docs.luxonis.com/software-v3/depthai/>

【Dimensions & Mounting】

