

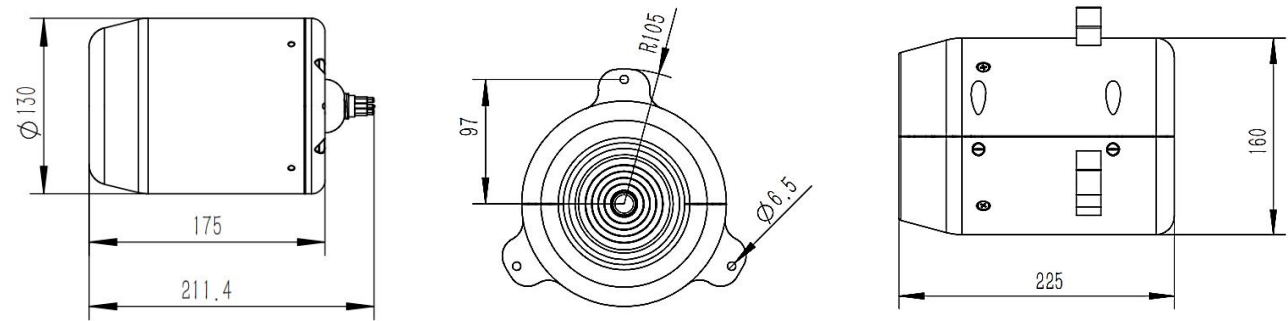
Underwater Network AI Camera



Product Features

This product is specifically designed for underwater intelligent detection and recognition. Equipped with an embedded AI processing CPU, it features fully automatic target detection capabilities, enabling real-time identification and statistical analysis of various underwater targets including:falling bait particles,fish,drowning persons,corals,sea cucumbers(target recognition can be customized. Open SDK and YOLO support allow for secondary development.The camera incorporates a 130° wide-angle lens and low-light imaging sensor that operates effectively without underwater LED lighting, capable of clearly capturing fine bait particles in water and detailed surface features of nearby fish.The camera built-in defogging function、 AI-powered intelligent noise reduction、 underwater color restoration technology, automatic adaptation to blue/green-tinted water environments and enhanced image clarity

Dimensions (Optional suspension mounting rigs)



Product Specifications

1. Model:SCT-MSC-041	10.Compliance Standards: ONVIF, GB/T28181, CGI
2. Max Resolution:2704*1540	11. Rated Voltage:12V DC/ Rated Power:5W
3. Sensor:CMOS	12. Connector:Micro circular 8-pin male waterproof connector
4. Lens:Fixed-focus HD lens	13. Cable Length: Default 1M(customizable)
5. Focal Length: 2.8mm (Aperture F2.4)	14. Rated Water Depth:Default 100M(customizable)
6. Field of View: 120° (H) × 105° (V) × 77° (D)	15. Material:Aluminum alloy (316L stainless steel optional)
7. Core Function:Intelligent underwater target detection	16. Weight: 4kg (with mounting bracket)
8. Advanced Features:Underwater color restoration,Defogging algorithm,Optional built-in TF card storage	17. Deployment Options: Suspension mounting Fixed installation
9. Network Interface: RJ45 (4-6Mbps bandwidth)	18. Operating Temperature: -20° C to +60° C

Underwater Color Restoration & Defogging



AI Recognition

Fish Counting: 5

