

# UAC-750S

## Single-beam Side Scan Sonar 750kHz



### Overview

The UAC-750S Side Scan Sonar is an embedded single-beam system designed for integration with USV, ROV and AUV/UUV. It is engineered for underwater engineering inspections, emergency search and rescue, and salvage operations.

Key advantages include high-definition imaging, compact form factor, low power consumption, and integrated data storage. The professional HD Sonar software is user-friendly, featuring navigation display, track planning, target management, and waterfall display, with full support for secondary development via SDK.

### Technical Specifications

SPECIFICATIONS	Parameter
<b>Operating Frequency</b>	750 kHz (Center), 60 kHz (Bandwidth)
<b>Beam Angle</b>	0.25° Horizontal , 36° Vertical
<b>Maximum Detection Range</b>	75m (Per Side) / 150m (Total Swath)
<b>Range Resolution</b>	1.5 cm
<b>Max Operating Depth</b>	500m (Customizable)
<b>Max Survey Speed</b>	5 knots
<b>Communication</b>	100M/1000M Adaptive Ethernet
<b>Power Consumption</b>	18-36 VDC, 10W (Typical)
<b>Transducer Dimensions</b>	482mm × 40mm × 40mm (Single Side)
<b>Electronics Module</b>	145mm × 85mm × 40mm
<b>Weight</b>	Transducer: 500g (Side) / Electronics: 400g
<b>Software &amp; SDK</b>	HD Sonar software / SDK for secondary development

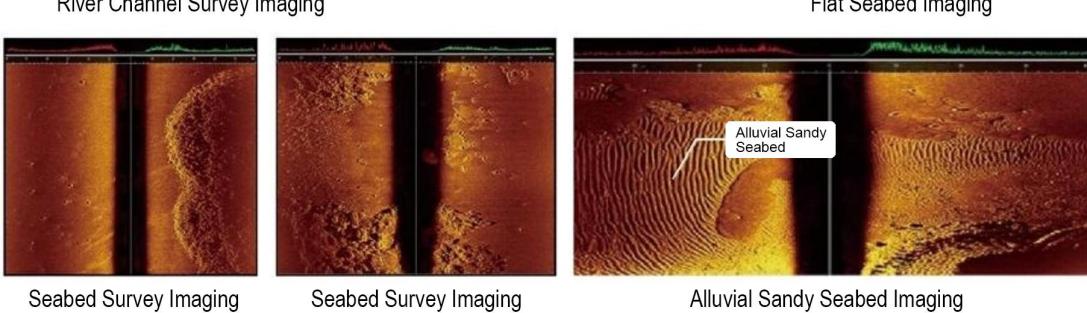
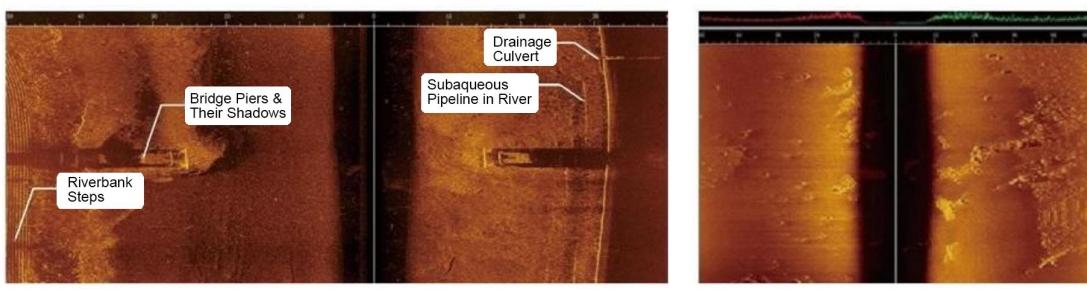
## Key Features

**Superior Imaging:** High-clarity sonar imagery for precise identification.

**Compact & Efficient:** Small footprint and low power consumption for easy integration.

**Independent IP:** Fully self-developed hardware and software with complete intellectual property rights.

## Imaging



## Applications



Hidden pipeline and outfall investigation



Port, harbor, and riverbed surveying and imaging



Emergency search, rescue, and salvage missions