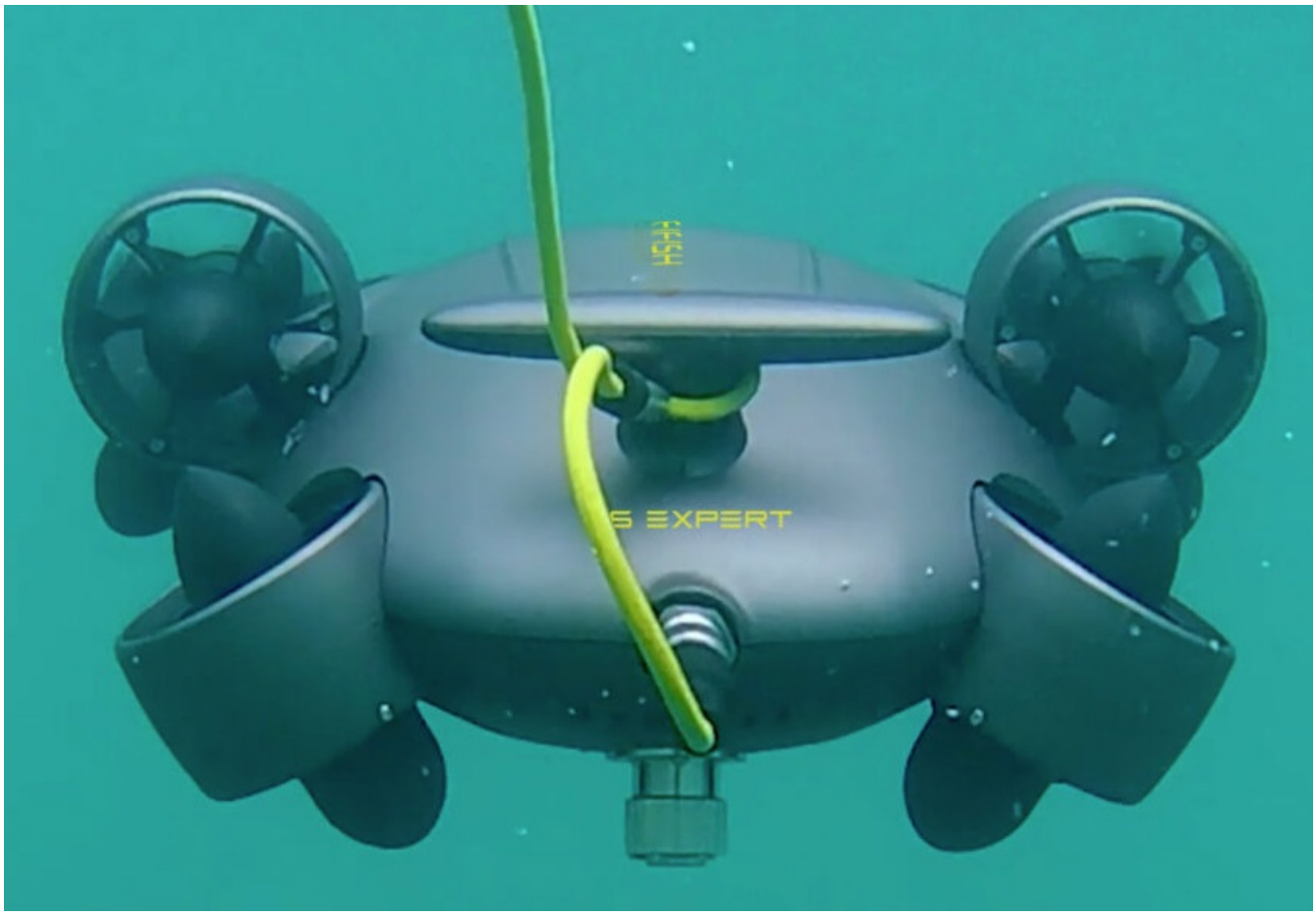
QYSEA QY-MT Fin Source Smart Measurement System Instructions

Contents

QYSEA QY-MT Fin Source Smart Measurement System



Specifications

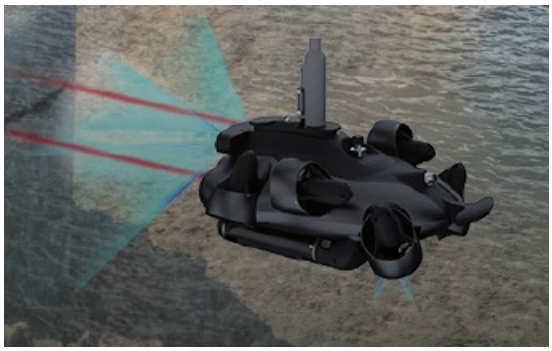
- Product Name: QY-MT FinSource Smart Measurement System
- Developed by: FinSource
- Measurement Modes: AI Adaptive Measurement, AR Measurement Ruler, AI Visual Lock
- Resolution: 4K+
- Measurement Accuracy: Millimeter level
- Supported Units: Centimeters, Inches

AI Adaptive Measurement
The AI Adaptive Measurement feature uses 4K+AI smart recognition to identify target objects' contours. It provides accurate underwater data and makes non-destructive measurements easier.

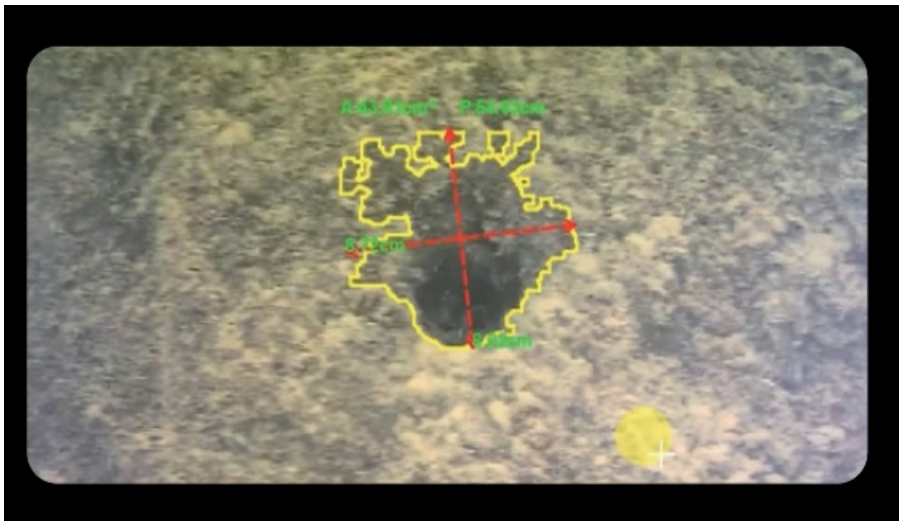
AR Measurement Ruler
The AR Measurement Ruler utilizes patented machine vision to achieve millimeter-level accuracy. It supports smart detection of
underwater areas, adaptive measurement range, and visualization of data.

QY-MT FinSource Smart Measurement System

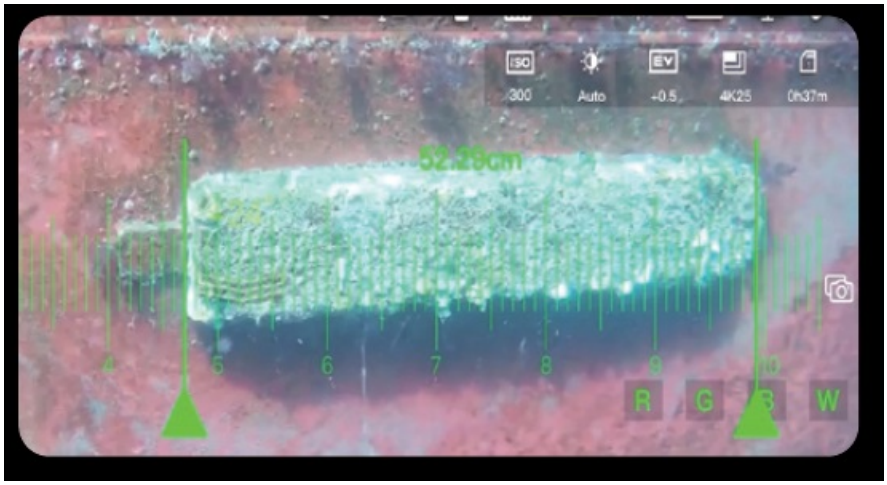
The QY-MT FinSource Smart Measurement System is a pioneering underwater robot AI real-time non-destructive precision measurement system developed by FinSource.
It breaks traditional underwater measurement modes, bringing a new way of underwater robot measurement with high measurement accuracy, multiple measurement methods, and real-time data visualization!



AI Adaptive Measurement
QY-MT utilizes 4K+AI smart recognition to identify the contours of target objects, capable of recognizing irregular shapes, and acquires accurate and intuitive underwater data, making difficult underwater non-de-structive measurements easy.



AR Measurement Ruler
Based on QYSEA's patented machine vision, the AR-as-sisted ruler achieves underwater measurement accuracy to the millimeter level, supporting smart detection of underwater areas, adaptive measurement range, and visualization of measurement data. It also supports ruler movement and custom color settings, applicable to various industries' inspection tasks.

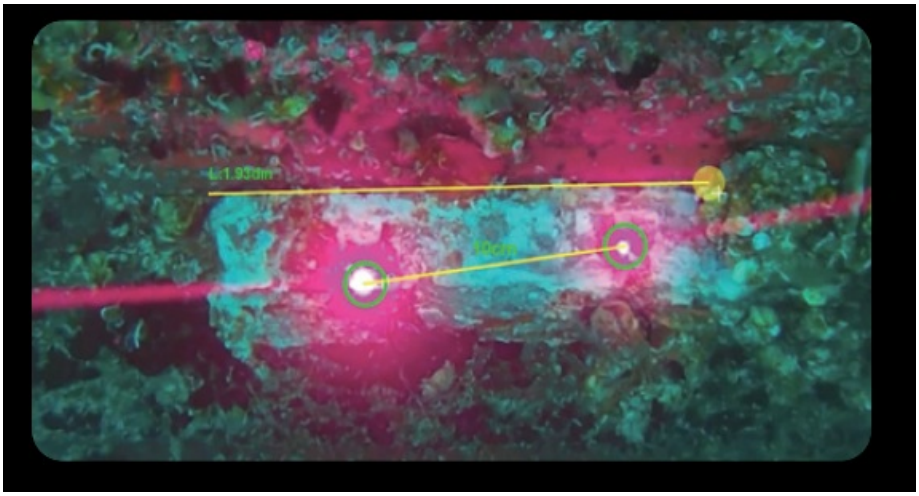


AI Visual Lock

With the AI visual lock function enabled on QY-MT, you can achieve the effect of "lock + measurement" or "measurement while locking" underwater. The body automatically counteracts the flow, performs underwater measurements simultaneously while maintaining stability, reduces body sway, and significantly improves work efficiency.

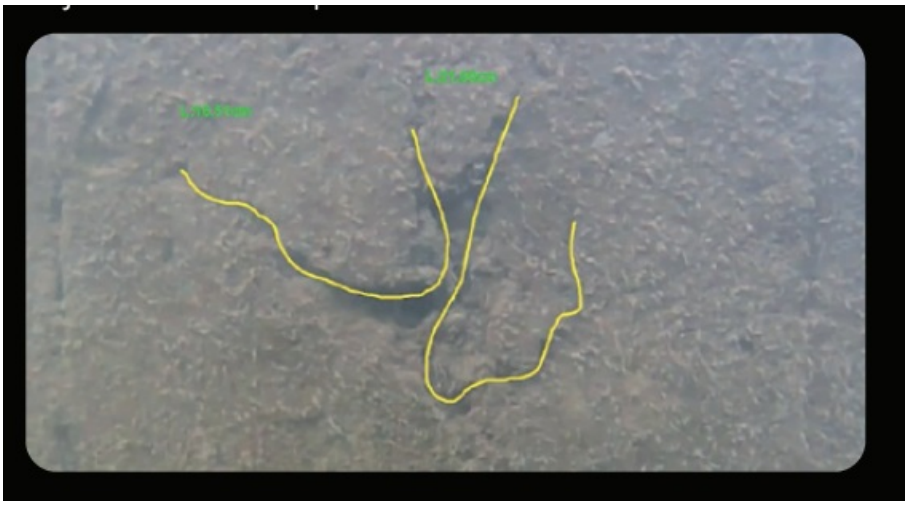
Length Measurement

By clicking the “Length Measurement” option and selecting the target object for measurement, data such as the length and height of the object will be displayed on the QY-MT screen. Additionally, you can switch the unit of measurement data to centimeters or inches, making underwater measurements flexible and convenient.



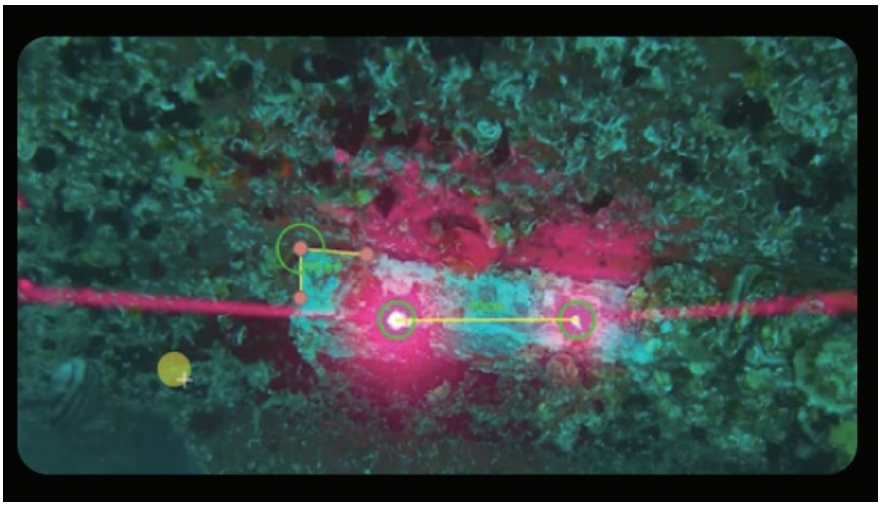
Curve & Arch Measurement

Curves and arches have been challenges in underwater measurements, but with QY-MT, it becomes easy. The QY-MT system supports drawing curves and arches and can smartly measure the length of curved objects within the plane.

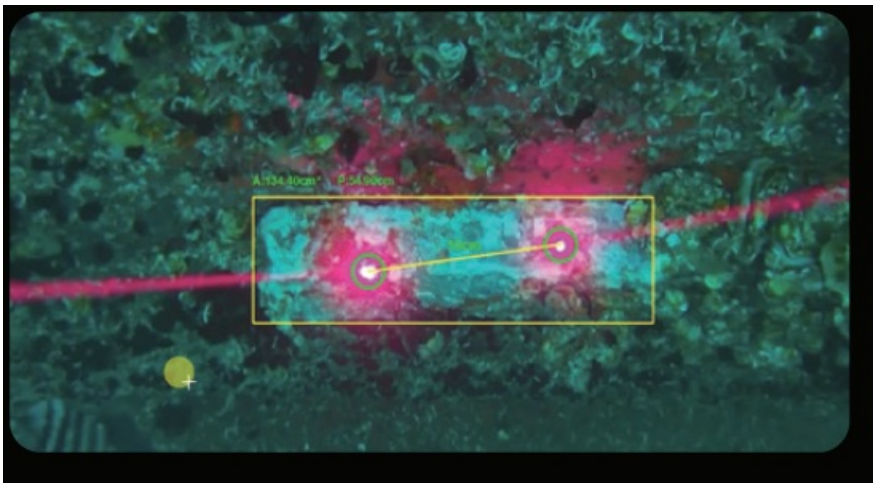


Angle Measurement

Using QY-MT makes angle measurement of underwater targets easy. By clicking the “Angle Measurement” option and selecting the angle of the object to be measured, you can obtain the angle data.



Rectangle Area and Perimeter
By judging the contour of the target object, you can accurately measure the area and perimeter of rectan-gular objects with simple operations, obtaining the necessary measurement data.



Polygon Area and Perimeter
QY-MT also supports measurement of underwater polygonal targets. By clicking the “Polygon Area and Perimeter Measurement” option, you can obtain data for underwater polygonal objects.

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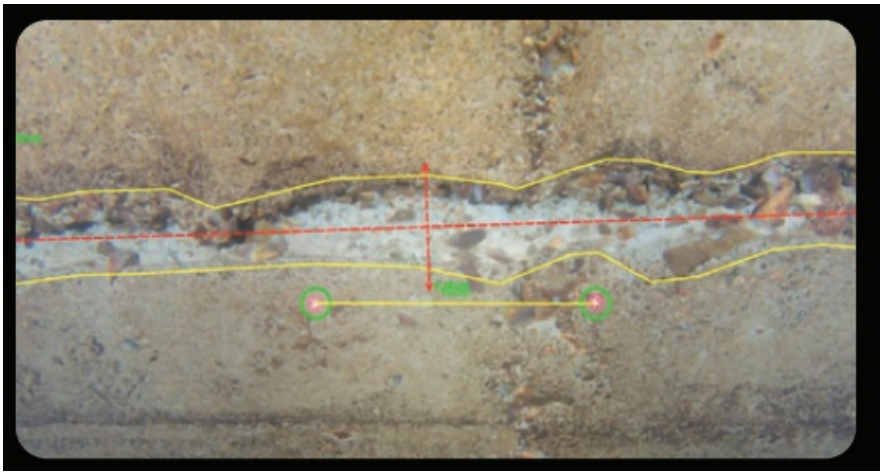
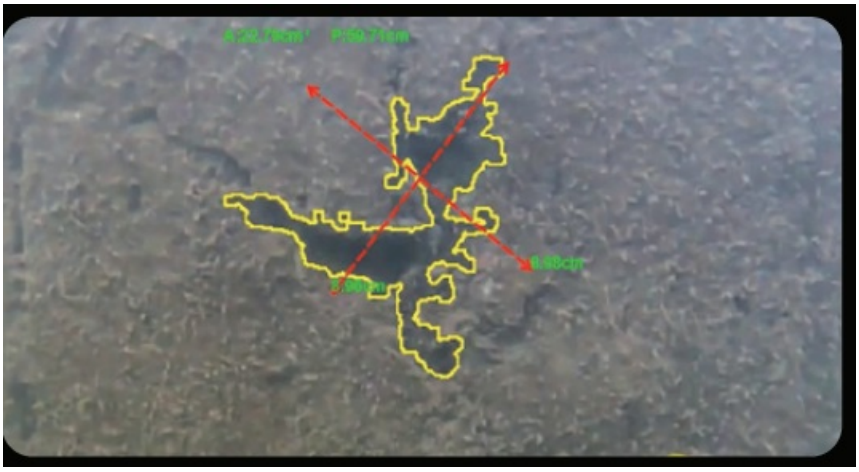


Automatic Adaptive Measurement for Irregular Shapes
For complex irregular shapes underwater, click “Automatic Adaptive Measurement for Irregular Shapes.” QY-MT

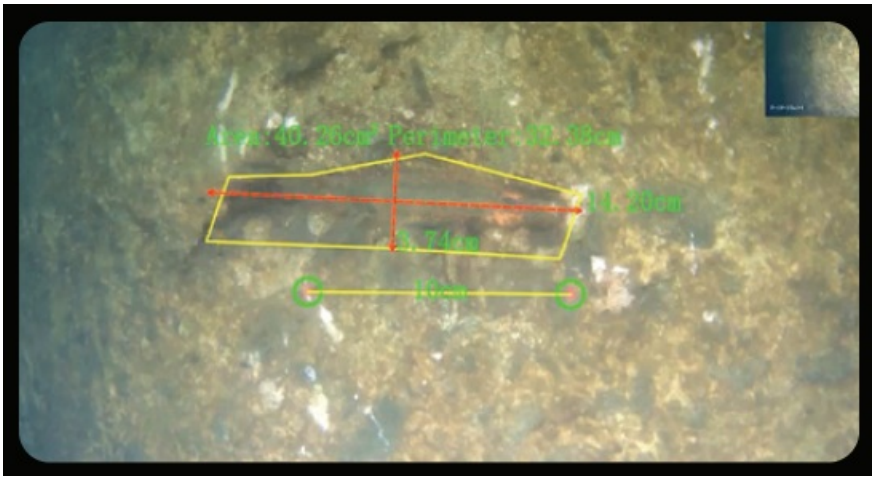
utilizes powerful AI computing capabilities to grasp the area and perimeter of irregular shapes and obtain high-precision underwater data with one click.



Ultra-High Precision & Ultra-Low Error

- Polygon measurement using QY-MT provides non-de-structive measurement of bridge cracks:
- Length: 14.20 centimeters
- Height: 3.74 centimeters
- Perimeter: 32.38 centimeters
- Area: 40.26 square centimeters

(Provides high-precision measurement data in actual working environments)



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Documents / Resources

	QYSEA QY-MT Fin Source Smart Measurement System [pdf] Instructions QY-MT Fin Source Smart Measurement System, QY-MT, Fin Source Smart Measurement System, Source Smart Measurement System, Smart Measurement System, Measurement System, System

References

- User Manual