VideoRay

AUTONOMOUS CONTROL
COPILOT SONAR BY SEEBYTE

AUTOMATIC

CoPilot Sonar by SeeByte incorporates the most advanced technology in software and imaging sonar target tracking and automation available for micro ROVs.
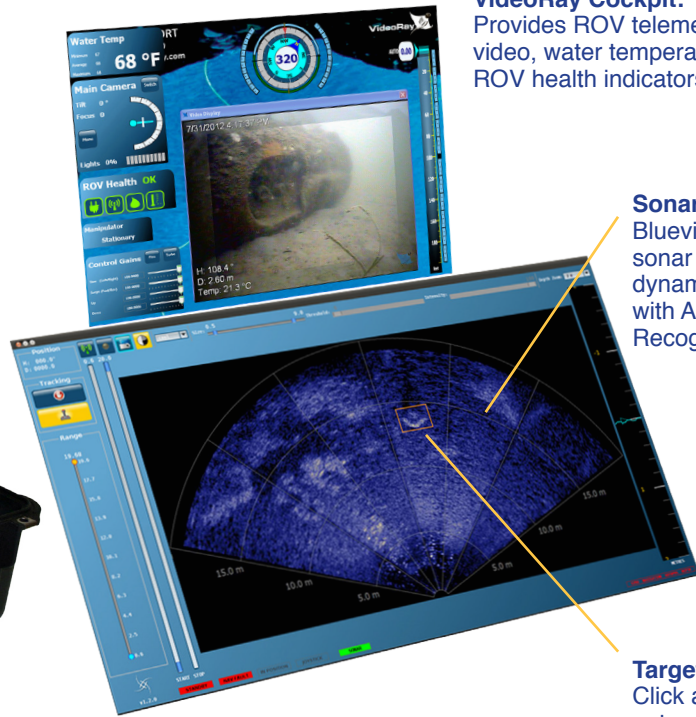
Objects are automatically identified with BlueView's Auto Target Recognition (ATR) and highlighted on the screen.

Simply click on the highlighted sonar target and the VideoRay will autonomously thrust and maneuver within visual range of the target for identification.

This solution requires a VideoRay Pro 4 ROV system with a BlueView P900 series imaging sonar and adds software which allows click-and-go auto piloting.

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VideoRay Cockpit:
Provides ROV telemetry including video, water temperature, ROV health indicators and more

Sonar:
Blueview 900-130 sonar imagery is dynamically displayed with Auto Target Recognition (ATR)

Target of Interest:
Click and the ROV will automatically Go To target and hover

Configuration includes

CoPilot Sonar software

Software Features include:

- Manual, Station-Keeping, Survey, and ROV Cruise Modes
- Target relative station keeping
- Automatically face target
- Advance/retreat (adjust range-to-target)
- Descend/ascend (change depth at a contact range)
- Navigation uses the BlueView ATR to provide precise position updates
- One click "Go to Target" automation
- One-click target tracking application launch
- Easy target selection and tracking - user defined target size parameters
- Streaming target relative velocity data

* VideoRay Pro 4 ROV system and BlueView P900 S2 sonar required - not included. The BlueView P90090 or 130 model sonars are recommended as is a dual display set-up on the Pro 4 Integrated Control Box.