Accessory Data Sheet

Autonomous Control

CoPilot Sonar by SeeByte

CoPilot Sonar by SeeByte incorporates the most advanced technology in software and imaging sonar to provide target tracking and automation available for MicroROVs.

Simply click on a sonar target and the VideoRay will autonomously thrust and maneuver to hold station or navigate to within visual range of the target for identification.

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

CoPilot Sonar software

Software Features include:

- Manual, Station-Keeping, 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)
- 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