"A system like no other"

Mahesh Menon
R&D Manager
SMD

SeeTrack CoPilot

Piloting with Ease

SeeTrack CoPilot is the world's most advanced Dynamic Positioning software for Remotely Operated Vehicles (ROVs). Through a straightforward and intuitive point and click interface, the ROV is better equipped to carry out successful surveys, field development and pre & post lay operations, amongst a range of other applications.

By offering the largest available set of flight modes, SeeTrack CoPilot delivers the benefits of Dynamic Positioning in environments and scenarios not achievable using any other software product.

The control and flexibility offered on-survey allows for un-planned intervention with minimal error and down-time. While a fully-integrated MBI sonar enables control relative to a target and improves operations in low visibility.

Some Key Features of SeeTrack CoPilot:

- **Point & Click Interface for Positioning** – Provides efficient training & operations for all levels of ROV Pilots
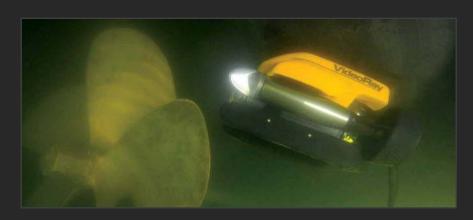- **Station Keeping** – Monitor and pilot for hours on end with less fatigue
- **Cruise Control** – Allows the user to gather evenly distributed data
- **Survey Control** – You'll always get the data you need as the vehicle follows an exact plan
- **Mid-water DP** – Get the benefits of DP in any mid-water situation, without requiring bottom-lock
- **Minimal Hover Footprint** – Obtain the best quality data with a footprint of within inches of your required position
- **Markers** – Speed up your survey without missing a thing, go back to any position you have marked at the touch of a button
- **Target Relative Control** - Get the best data at the distance that you want from the target

seebyte

www.seebyte.com

Specifications

Flight Modes:

SeeTrack CoPilot offers five flight modes to achieve full ROV DP

- Station Keeping
- Cruise-control
- Survey-control
- MBI Sonar Track
- Mid-water DP

Typical Performance:

Degree-of-Freedom	Maximum Overshoot	Steady State Error	Oscillation
Yaw	<4 degrees	<1 degrees	+/- 0.5 degrees
Forward	<0.20 m	<0.10 m	+/- 0.05 m
Sideways	<0.20 m	<0.10 m	+/- 0.05 m
Downwards	<0.20 m	<0.10 m	+/- 0.05 m

Installation:

- Compatibility: Simple retrofit, no modification to vehicle required
- Work-class ROVs: Available as an integrated solution with SMD's DVECS control system on all SMD work-class ROVs. For details, contact info@smd.co.uk
- VideoRay Off The Shelf Product: SeeTrack CoPilot is already available for purchase with any VideoRay Pro4 microROV. For details, contact sales@videoray.com

System Requirements:

- Doppler Velocity Log: Teledyne RDI Workhorse Navigator
- Depth and Heading: For typical performance these must be supplied at >=3Hz
- ROV Thruster Control: Analogue joystick or digital command system with updates > 5Hz
- Sonar: The Tracking Module requires an input from a BlueView Technologies Proviewer sonar