MISSION ROBOTICS

Plug-and-Play Autonomy

Vehicle Control Systems designed to enable you to deploy faster, operate smarter, and efficiently scale

Your mission, made simpler!

- ⊘ Reduce integration time 75%
- ⊘ Decrease overhead
- ⊘ Outperform legacy systems at a fraction of the cost

Be mission ready in days, not months through:

- ⊘ Precision control system
- ⊘ Advanced State Estimation
- ⊘ Unified recording architecture
- ⊘ Crystal-clear video streaming

Web:
www.missionrobotics.us

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__Pre-integrated hardware/software features__

Base Package

24/7 Uptime via RTI DDS & diagnostics monitoring

Pilot assist controls; heading, attitude, depth

Control frames; body, global

Vehicle stabilization at any attitude, no gimbal-lock

Physics based thruster control allocator

USB/IP H.264 video streams

RTP rebroadcast

Up to 2 cameras supported

Turn counter

Replay missions on-site

MP4/ CSV Export

Accessory control for lights and gripper

Customizable joystick

Teleoperations ready

Open interfaces

"...Mission Robotics control system has allowed them to cut their inspection time in half ..." SoSub

"...60 day campaign, 8 days ahead of schedule.." - FA

Advanced (*Base plus:*)

ESKF 6-DOF data fusion & state estimation

USBL / GNSS drift correction

Native sensor support; DVL, Altimeter, AHRS, GPS, USBL

View sensor status and toggle if fused into ESKF

Advanced control; station keeping, altitude, velocity

Map display with ROV and boat position and history trail

NMEA data input & output

Waypoint navigation

Pilot and read-only observer roles

Multiple vehicle control

3 camera support

Supported Add-Ons

External INS (SPRINT-Nav Mini) for controls

FLS native integration view and record

Automated vehicle CAD → Control Allocation

Bridges: ROS2, UMAA

Accessories: CP, UT

Inquire for lead-time

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