



RMI-MINI ROV is a mini observation class ROV which has the advantage of compact size and weight. With a weight below 15 kg, this ROV is the perfect tools to numerous underwater application.

Two personnel can operate the ROV system complete with only a small boat, since the deployment process until completion of the work without outside help.



Developed in 2009, MINI ROV is designed to operate to a depth of 100 m underwater with the power of 1.5 HP. Has equipped with complete line of sensors including compass, depth sensor and auto depth holding. MINI ROV can be paired other additional equipment such as the gripper manipulator, scanning sonar and positioning systems as needed.

With the state of the art technology, MINI ROV meets the vast needs in various fields:

- Aquaculture
- Science and Research
- Port Maintenance
- Oil and Gas
- Piping and Water Treatment
- Commercial Diving



SYSTEM SPECIFICATION

Dimension	: - Length :576 mm - Wide :460 mm - Height :420 mm
Weight in Air	: 12 kg
Operating Depth	:100 m
Speed	: 3 Knots
Power	: 24 Volt Lithium Polymer Battery
Surface Station System	: - High Brightness LCD Display - DSP microcontroller based autopilot - Leak indicator - Ground Fault Detection - Joystick :3 axis with 2 push button - Customized Video Overlay - Video Recording
Communication	: - RS 485
Sensor	: Orientation : - 1 axis Magnetometer - 1 axis Gyro Depth: 1 unit 15 bar Pressure Sensor Leakage: 3 position TFCLD (Thin Film Contact Leak Detector)
Camera	: - Outboard High Definition Camera - 120 Degrees Tilted Forward Looking Color Sony CCD Camera 570 lines - Backward Looking Color CCD Camera 420 lines
Thruster	: - 1 unit 1 HP for vertical thrust - 2 unit 1 HP for side vector thrust
Payload	:1 axis manipulator with replaceable tool head
Lighting	: 2 pcs @50 Watt Halogen lamp
Cabling	: Neutrally Bouyant Underwater Cable

