



SEAEYE FALCON

OBSERVATION CLASS ROV

A high capability observation class ROV.

Seaeeye Falcon is the highest capability observation class ROV in the world and is the ROV of choice for rapid deployment, reliability and low cost operations. Seaeeye Falcon is engineered for easy fitment of inspection / light intervention tooling and third party hardware. With a dry weight of only 60kg, Falcon is very well powered with 5kg forward and 28kgf of lateral thrust. The compact size of the vehicle makes it ideal for works scopes ranging from ultra-shallow to 300m of seawater.

Tamboritha's Falcon ROV can be managed by hand but is best deployed and recovered by our compact launch and recovery system. Falcon is operated using a standalone control with video suite and is provisioned with full spares including a backup tether, essential for remote area operations. Falcon ROV requires very little deck space and has a power requirement of only 5KW. Tamboritha only uses biodegradable hydraulic fluids and dielectrics to help preserve the environment.



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TECHNICAL SPECIFICATIONS

METROLOGY

Depth Rating	300msw
Length	1000mm
Width	600mm
Height	500mm
ROV Weight	60kg
Payload	14kg

VISION & CONNECTIVITY

Primary Camera	High resolution colour camera (670TVL)
Auxiliary Camera	Optional
Field of View	Seaeeye Integrated Tilt Platform $\pm 90^\circ$ tilt. 91° horizontal field of view.
Lighting	3 x 3200 Lumen LED

POWER

Thrusters	5 x MCT01, vectored arrangement with magnetic coupling
Forward Thrust	50kgf
Vertical Thrust	13kgf
Lateral Thrust	28kgf
Speed (Fwd)	>3.5 knots

DEPLOYMENT & OPERATIONS

Launch & Recovery	Hand Deployment of by compact launch & recovery system
Transport	3 x Portable Pelicases stocked for remote operations

SENSORS

Imaging Sonar	Tritech SeaPrince
Heading	Auto heading with azimuth stability. Compass accuracy $\pm 1^\circ$
Depth	Auto depth. Depth sensor accurate to $\pm 0.5\%$ FSD accuracy

TOOLING

Manipulator	3-Jaw Manipulator c/w rope cutter
Optional Tools	Contact/Proximity CP probe 2 nd Inspection Camera Cleaning brush FMD yoke Recovery hook and down-line