

Accessory Data Sheet

Thrusters

The VideoRay Pro 4's brushless **Thrusters** deliver unparalleled performance and reliability. The combination of powerful horizontal thrusters with hydrodynamically-optimized propellers and nozzles ensures that you will have power when you need it.

VideoRay thrusters have been designed for the optimal blend of power and control. Formal U.S. Navy tests confirm 21 pounds of sustained thrust on a Pro 4 ROV (using two thrusters) with the now standard 33 amp boards.

VideoRay thrusters also provide:

- The industry's highest thrust-to-vehicle weight (21 lb. on a 10 lb. vehicle) and thrust-to-drag ratio (2:1)
- Ability to pull long lengths of tether and work in currents that divers would not dare attempt.
- Zero-turn radius and agile maneuverability, provided by optimal thruster placement and counter propeller rotation
- A stable platform for the camera and sensors

BASIC SPECIFICATIONS

Depth Rating	300 m (1,000 ft)
Length	36.5 cm (14.5 in)
Max diameter	11.4 cm (4.5 in) (thruster guard)
Weight in air	0.91 kg (2 lb)
Propeller	90mm
Motor	Brushless DC
Bollard thrust	4.8 kg (10.5 lbs) per thruster
Thrust-to-weight	2:1
Housing	Anodized aluminum (optional Cerakote finish)
Shaft seal	Proprietary VideoRay cartridge seal (visual inspection, changes in seconds)
Power Requirement	12 VDC / 200W / 17A
Controls	Power and Ground

