

ROV Triggerfish Specifications



TRIGGERFISH is a lightweight, portable ROV designed specifically for harbor and vessel security operations

General

Description : Remote Operated Vehicle (ROV)
 Owner : Aqua Diving Services Ltd
 Manufacturer : Deep Ocean
 Chassis : Polypropylene modular chassis

Dimensions

Width : 533 mm / 21 in
 Length : 1,093 mm / 43 in
 Height : 406 mm / 16 in
 Weight : 31 kg / 68 lb

Capabilities

Standard Working Depth : 152 m / 500 ft
 Operational Working Depth : 305 m / 1,000 ft

Propulsion

Propulsion : 120vdc high powered motors
 Control : Individually controlled from surface
 Thrust Forward : 23 kg / 50 lb
 Thrust Lateral : 10.5 kg / 23 lb
 Thrust Vertical : 10.5 kg / 23 lb
 Payload : 6.8 kg / 15 lb



Camera Unit

Camera : DOE 18:1 colour zoom camera
 Depth Rating : 300 m / 1000 ft
 Resolution : 470 lines of TV
 Sensitivity : 1.0 Lux @ f1.4
 Viewing Angle : 7° to 58°
 Length : 241 mm / 9.5 in
 Diameter : 89 mm / 3.5 in
 Weight in Water : Neutral
 Air-weight : 1.4 kg / 3 lb
 Tilt Platform

Onscreen Display Information : continually updated video display
 : Heading, depth, turns count, elapsed time, water alarm, sensor data

Additional

Electronics : Hard-wired dedicated conductors
 Lighting : 2 x 150watt Quartz-halogen lamp units
 Autopilot : Standard for heading & depth
 Umbilical Cable : Ocean cable – neutral or heavy buoyancy in fresh water