



### UV Information and Contact

Name	Video Ray
Mission Type	Inspections, research and data gathering

### General Specifications

Beam (m)	--
Draft (when resurfaced) (m)	--
Frame	aluminium
Tether description	150 m

### Support Vessels Requirements

Control vane	--
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### Speed Duration and Range of Operation

Diving and resurfacing speeds (m/s)	--
Max. cruising range	--
Normal dive duration (hours)	--
Cruising speed (m/s)	--

#### Max. Speed:

Forward (m/s)	2
Lateral (m/s)	--
Vertical (m/s)	--

### Crew and Scientific Observers

Scientific observers (number)	1
Pilots (number)	1

### Energy

#### Total Energy Available:

Propulsion and steering (kWH)	--
Scientific payload (kWH)	--

### Propulsion and Steering

#### Thrusters (Thrust Force)

Aft (N)	--
Lateral (N)	--
Fore (N)	--
Vertical (N)	--
Control planes arrangement	--

### Pressure Hull (Manned Sphere)

Inside diameter (m)	--
Material	--
Portholes	--
Thickness (m)	--

Trim Adjustment and Ballasting	
Trim adjustment and ballasting	--
Navigation Equipment	
Non-Acoustic	
Attitude and heading	--
Pressure sensor	--
Acoustic	
Doppler	--
Altimeter	--
Longbaseline system	--
Ultrashort baseline system	--
Other equipment	--
Automatic Guidance and Control Capabilities	
Depth control	PID depth regulator
Altitude control (above the seabed)	--
Heading control	Fuzzy self-learning autopilot
Speed control	--
Way-point tracking	--
Path following	--
Customer - Defined Instrumentation Support	
Dimensions	--
Power (kW)	--
Communication Links	--
Max. weight in water (kg)	--
Max. weight in air (kg)	--
Scientific Instrumentation and Tools	
Still cameras (number)	--
Lightning (number)	2
Manipulator / Sampling	--
Video cameras (number)	2
Total power (kW)	--
Additional Information	
Examples of missions executed	Hydro-power dam inspections, search & rescue, marine biology/ecology, marine archaeology, maritime security, EOD.
Examples of scientific data acquired	--
Other	--