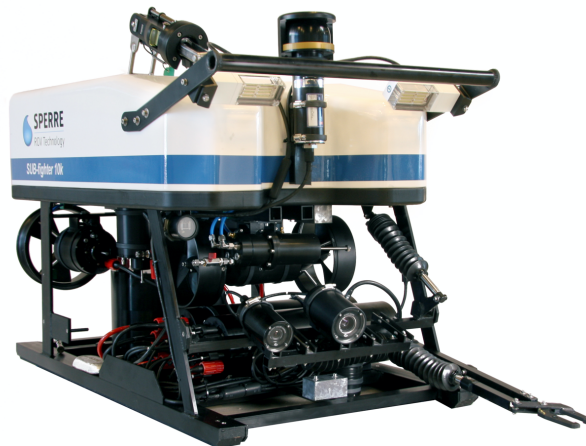


SUB-fighter 10k

- ROV designed for tough conditions
- Reliable and well proven design
- Quick and easy mobilization
- Very good stability
- Plenty of power
- Interface for standard tools
- Quality at an affordable price
- Require a minimum of maintenance
- Made in Norway



ROV SPECIFICATION

Vehicle	LWH 140 x 81 x 90 cm., footprint
Frame	Anodized aluminum
Housings	2 x 1 ata.
Weight in air	410 kg approx.
Payload	20 kg approx.
Max depth	Standard 1000 m. (optional 6000 meters)
Buoyancy	Syntactic foam
Power input, TBA	230 / 400 / 440 / 690 VAC, 3 phase 10 kW
Thrusters	5 thrusters, Horizontal 3 x 2000W, Vertical 2 x 2000 W,
Speed approx.	Horizontal 3,5 knot, Vertical 1.9 knot Lateral 1,8 knot, Turn >60 deg/sec
Pan /Tilt	Pan 45 degrees, Tilt 90 degrees
Camera interfaces	4 off, 2-3 x simultaneous video channels
Camera 1, standard	Low light color camera, PAL 540 TV lines 0,05 lux
Camera 2, option	Low light black and white, PAL 570 TV lines 0,0001 lux.
Camera 3, option	Zoom camera, Colour CCD, HD block, PAL, 510 TV lines, 1,5 lux, 18 x optical 4 x digital zoom
Light interfaces	6 off, total 1500 W
Lights, standard	2 x ROS Q-LED III, 3500lux

DAT-024

Sperre AS – Telemark Teknologipark - Merdeveien 1 – 3676 Notodden, NORWAY

Email: post@sperre-as.com

Phone: +47 35 02 50 00

Web: <http://www.sperre-as.com>

SUB-fighter 10k

Sensors	Depth sensor Fluxgate compass Moist sensors
Auto functions	Auto depth, Auto heading, Auto altitude (option)
Multiplexer fiber, telemetry	Focal 907 standard fiber optical multiplexer 3 x 8 bit or 2 x 10 bit video channels, 6 x RS 232/485 Optional: 907 + and add on boards, HD-video, 1 Gb. ethernet, USB link, survey channels, others
Interfaces and survey channels, standard	Sonar, 1 x RS 485, 24 VDC Transponder power 24 V DC Video, 4 off Lights, 6 off Actuator, 4 off Survey channels, 1 x RS 232, 1 X RS 485, 24 V

OPTIONAL EQUIPMENT

TMS	TMS prepared
Manipulator	Electric grabber and rope cutter
HD camera	Zoom camera, HD block, PAL, 1080 TV lines, 1,5 lux, 18 x optical 4 x digital zoom
Cable cutter	Cutter for 19 mm. steel rope, complete with HPU and valve pack
Manipulator hydraulic 5-7 function and HPU	Manipulator, valve pack, 1 kW. HPU, hoses and fittings, additional buoyancy, control box, valve control card
Interface for Innovatum / TSS 440	RS232 (220 VAC @ 2 A, 24 VDC @ 1 A)
Survey channels	X x RS 232, 24 V 3 A (total)
Survey channels	X x RS 485, 24 V 3 A (total)
Ethernet interface	1 x 1000 Mbit/s, add-on card for Mux 907 (907 GBE): data & power on connector (24 VDC @ 5 A) – MCBH12F
Sonar	Kongsberg Simrad MS 1000, 330 kHz, scanning sonar
Latch	1,5 ton standard latch
AC Tooling	Thruster, drill, grinder, pump, AC tool

DAT-024

Sperre AS – Telemark Teknologipark - Merdeveien 1 – 3676 Notodden, NORWAY

Email: post@sperre-as.com

Phone: +47 35 02 50 00

Web: <http://www.sperre-as.com>