Performance
- depth rating 1,000 m / 2,000 m
- range below transducer 1 – 500 m
- penetration: up to 50 m, depending on sediments
- layer resolution: up to 5 cm
- motion compensation: heave, pitch
- beam width @ 3 dB: ± 2°
- footprint < 7% of altitude for all frequencies

Transmitter
- primary frequencies: approx. 115 kHz (band 100 – 130 kHz)
- secondary low frequencies: 5, 6, 8, 10, 12, 15 kHz (band 4 – 22 kHz)
- primary source level: > 240 dB/µPa re 1 m
- pulse width: 0.07 – 1.3 ms
- pulse rate: up to 40/s
- multi-ping mode
- pulse type: CW, Ricker, LFM (chirp)

Acquisition
- primary frequency (echo sounder, bottom track)
- secondary low frequency (sub-bottom data, multi-frequency mode)
- sample rate 70 kHz @ 24 bit

System Components
- subsea housing with all transceiver electronics (D 0.30 m x L 0.75 m; 49 kg)
- transducer (D 0.47 m x H 0.06 m; 32 kg)
- system control: topside PC via Ethernet link (UDP, required bandwidth 5 Mbit/s)

SES-2000 ROV
Parametric Sub-bottom Profiler

Software
- SESWIN data acquisition software
- SES Convert SEG-Y/XTF data export
- SES NetView remote display
- ISE post-processing software

Power Supply Requirements
- 100 – 240 V AC / 50 – 60 Hz
- power consumption: < 250 W

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