

# FS80 Sonar



KONGSBERG

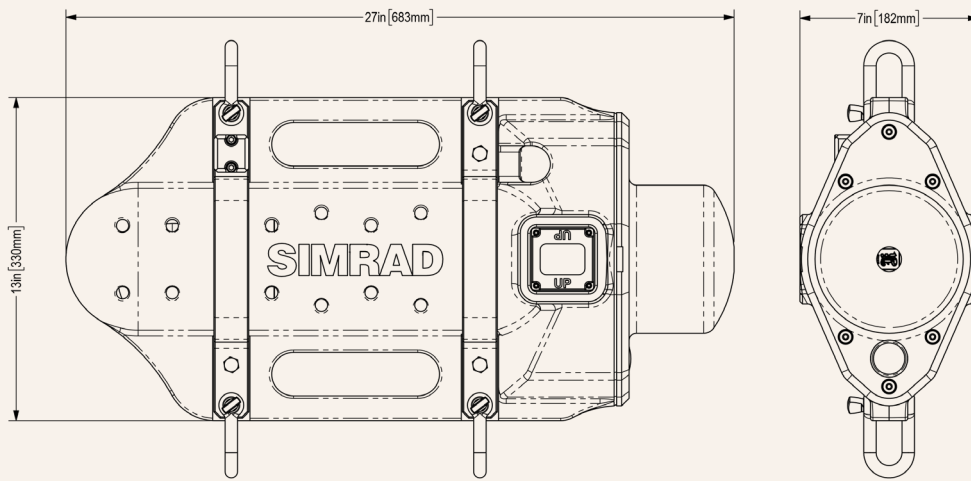


## Next-generation catch solution for sustainable fisheries

The Simrad FS80 has been designed to be robust, versatile, and feature-rich. It operates on both high-bandwidth and lower-bandwidth netsounder (third-wire) trawl cables. The FS80 is the perfect solution for customers who want to expand their gear-monitoring equipment without replacing their existing cable infrastructure.

### Highlights

- 165-330 kHz net profiler allows for different types of fisheries using one sonar
- 200-400 kHz low-frequency downsounder for improved monitoring of catch intake
- 500-750 kHz high-frequency downsounder enables improved bottom / footrope discrimination
- 200-400 kHz upsounder provides clearer monitoring of escapement above the net
- Up to six catch receivers for more complete monitoring of catch progress
- Integrated depth/temperature/pitch/roll sensors for accurate monitoring of deployment pack
- Light and compact for improved handling on the deck
- 2000 m operating depth



## Technical specifications

### FS80 Sonar

#### Sonar

Operating frequency	165 kHz to 330 kHz
Vertical beamwidth	35° @ 230 kHz
Horizontal beamwidth	3.8° @ 230 kHz
Internal sensors	Depth, Temperature, Pitch and Roll

#### Up sounder

Operating frequency	200 kHz to 400 kHz
Beamwidth	15° - 28° (20° @ 280 kHz)

#### Low-frequency down sounder

Operating frequency	200 kHz to 400 kHz
Beamwidth	15° - 28° (20° @ 280 kHz)

#### High-frequency down sounder

Operating frequency	500 kHz to 750 kHz
Beamwidth	15.5° - 23° (20° @ 600 kHz)

#### Acoustic sensor support

40-kHz catch hydrophone	Catch only (analog sensors not supported), PI-compatible (PPM protocol only - SPPM not supported)
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#### Interface

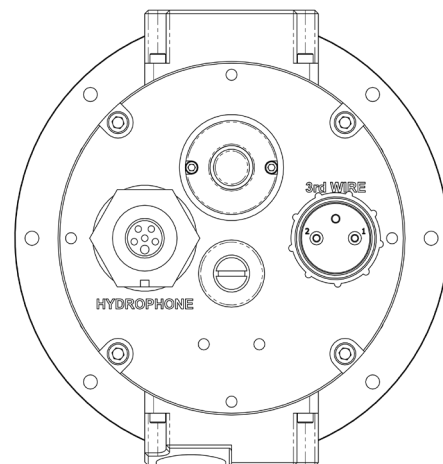
Input voltage	250-400 VDC
Input power	< 60 W
Link speed	High bandwidth on up to 3500 m of high-quality cable (such as CB6000 or equivalent). Low bandwidth on up to 2200 m of low-quality cable (CB1900 or equivalent)
Input/output data	Ethernet (UDP) and serial in/out
Operating system	Windows 10 and 11

#### Environmental

Operating temperature	-5°C to +35°C
Storage temperature	-25°C to +40°C

#### Mechanical

Width	325 mm (13 in)
Height	174 mm (7 in)
Length	634 mm (25 in)
Weight in air	19.6 kg (43.4 lbs)
Weight in seawater	7.2 kg (16 lbs)
Depth rating	2000 m
Netsounder cable connector	SubConn BH2MSS
Catch hydrophone cable connector	SEACON RMG-6-BCL
Materials	Aluminium, stainless steel, and polyurethane
Finish	Anodize (black)



Specifications subject to change without any further notice.