

Technical Specifications

Product	Lowrance HDS8 8.4" High Definition Display System <i>The HDS8 includes the HDS8 (SONAR/Mapping/GPS) and HDS8m (Mapping/GPS) and HDS8 Baja (Ruggedized Mapping/GPS). The devices in the HDS8 product family have a built-in GPS receiver. The HDS8m and the HDS8 Baja do not include the SONAR option.</i>
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Physical specifications

Specification	Measurement
Case size	HDS-8: 7.8" H x 10.6" W x 4" D (19.8 x 26.9 x 10.1 cm), 4.2 lbs
Display	HDS-8: 8.2" (20.8 cm) diagonal high contrast color LCD, 800 x 600 pixel resolution

GPS Performance

Specification	Measurement
GPS receiver channels	Built in 16 parallel channel internal antenna, external antennas supported via NMEA 0183 and NMEA 2000
GPS antenna type	Internal, high-sensitivity GPS+WAAS (Americas) or GPS+EGNOS+MSAS (non-Americas)
Acquisition time	Approximately 2.5 seconds (hot start) and 40 seconds (cold start)
Reacquisition	1 sec
Update rate	1/sec
Accuracy	2.5m (no SBAS)
Sensitivity	-159 dBm
Frequency	1575.42MHz (L1)

Power

Specification	Measurement
Power requirement	10-18 Volts DC
Supply current	0.9A at 13VDC with backlight on, 0.45A with backlight off
NMEA 2000	1 Network load (50 mA)

Sonar

Specification	Measurement
Max depth	Max 5000 ft \ 1524 m
Transducer Type	Choice of dual frequency Skimmer
Transducer Frequency	50/200 or 83/200 kHz
Output power	Max 250W/32W RMS actual; 30,000/3,750 RMS analog equivalent W