# LOWRANCE®

**2011** Marine Products Catalog

Innovative Performance

# LOWRANCE®

Since 1957, Lowrance continues the tradition of leading the way for innovative marine electronics that deliver meaningful performance benefits to anglers and boaters of all skill levels.

From standalone fishfinders with best-in class performance to complete High Definition Systems including today's most revolutionary radar solution, Lowrance gives you a complete range of options to meet the need of every on-the-water experience.

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# Freshwater Fishing

**Key** NMEA 2000® / Ethernet

HDS-10 | HDS-8
Fishfinder/Chartplotter
U. S. Basemap

HDS-7m | HDS-5m
Chartplotter
Built-in Insight cartography

Lake Insight™ HD

Navionics®
HotMaps®
Platinum

LWX-1 SIRIUS® Satellite Weather and Radio Antenna/Receiver

Trolling Motor Bracket for LSS-1 Imaging or 83/200 kHz Transducer

LSS-1 StructureScan™ Sonar Imaging

SonicHub™ Marine Audio Server

Sensors
EP Temp Livewell | EP Fuel Flow | EP Fuel Level

Two LGC-4000 High-Speed GPS Antennas (console and bow HDS)

NMEA 2000® Starter Kit

NMEA 2000® Engine Interface
Evinrude/Yamaha/Suzuki

Plastic Thru-Hull
LSS-1 StructureScan™ 455/800 kHz Imaging Transducer

Skimmer® | In-Hull | Thru-Hull
83/200 kHz Transducer

**Back-up Accessories**

Floating LHR-80 VHF/GPS Handheld Radio

Endura™ Safari with Fishing Hot Spots® PRO USA included

# Great Lakes/Pacific Northwest Fishing

HDS-10 | HDS-8
Fishfinder/Chartplotter
U.S. Basemap

HDS-7m | HDS-5m
Chartplotter

**Key**
NMEA 2000®
Ethernet

Lake Insight™

Navionics®
Platinum+

Broadband 3G™ Radar

LSS-1 StructureScan™ Sonar Imaging
with Bronze Thru-Hull Transducer

LWX-1 SIRIUS® Satellite Weather and
Radio Antenna/Receiver

LVR-880 DSC VHF+FM Radio

SonicHub™ Marine Audio Server

Sensors
EP Livewell Temp | EP Fuel Flow | EP Fuel Level

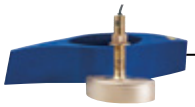
LGC-4000 High-Speed GPS Antenna

NMEA 2000® Starter Kit

NAIS-300 Transponder

NMEA 2000® Engine Interface
Evinrude/Yamaha/Suzuki

RC-42 Rate Compass Heading Sensor



Bronze 50/200kHz Thru-Hull
Transducer for Built-in HDS
Broadband Sounder™

**Back-up Accessories**

Floating
LHR-80
VHF/GPS
Handheld
Radio

Endura™ Safari with
Fishing Hot Spots®
PRO USA included

# Saltwater Coastal Fishing

HDS-10 | HDS-8
Fishfinder/Chartplotter
U. S. Basemap

HDS-10 | HDS-8 | HDS-7 | HDS-5
Fishfinder/Chartplotter
Built-in Insight cartography

**Key** NMEA 2000® | Ethernet

Nautic Insight™ HD

Navionics®
Platinum+

Broadband 3G™ Radar

LSS-1 StructureScan™ Sonar Imaging with
Plastic or Bronze Thru-Hull Transducer

LWX-1 SIRIUS® Satellite Weather and
Radio Antenna/Receiver

LVR-880 DSC VHF+FM Radio

SonicHub™ Marine Audio Server

LMF-400 NMEA 2000®
Multifunction Gauge



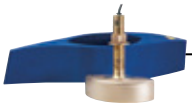
LGC-4000 High-Speed GPS Antenna

Sensors
EP Livewell Temp | EP Fuel Flow | EP Fuel Level

NAIS-300 Transponder

NMEA 2000® Starter Kit

RC-42 Rate Compass Heading Sensor



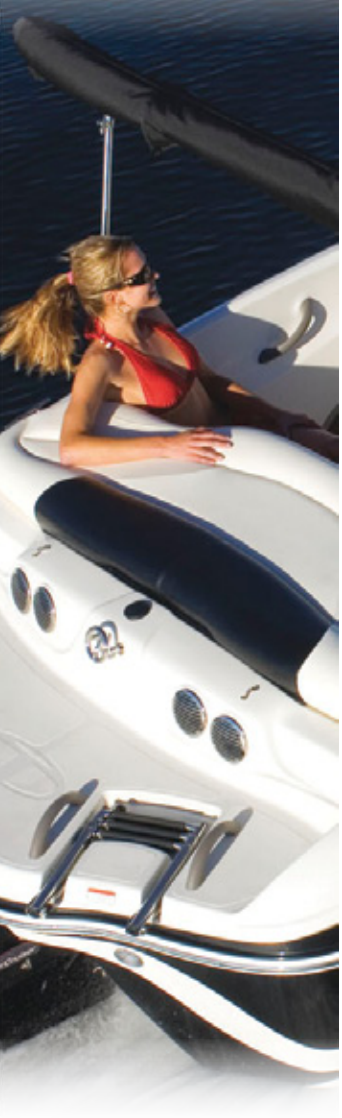
Bronze 50/200kHz Thru-Hull
Transducer for Built-in HDS
Broadband Sounder™

**Back-up Accessories**

Floating
LHR-80
VHF/GPS
Handheld
Radio

Endura™ Safari

# Sports Boat Cruising



HDS-10 | HDS-8
Fishfinder/Chartplotter
U. S. Basemap

HDS-7m | HDS-5m
Chartplotter
Built-in Insight cartography

**Key** NMEA 2000® | Ethernet

Insight HD
Navionics®
Platinum+

Broadband 3G™ Radar

LVR-880 DSC VHF+FM Radio

LWX-1 SIRIUS® Satellite Weather and
Radio Antenna/Receiver

Sensors
EP Temp | EP Fuel Flow | EP Fuel Level

SonicHub™ Marine Audio Server

NMEA 2000® Starter Kit

NAIS-300 Transponder

NMEA 2000® Engine Interface
Evinrude/Yamaha/Suzuki

RC-42 Rate Compass Heading Sensor

Skimmer® | In-Hull | Thru-Hull
83/200 kHz Transducer

**Back-up Accessories**

Floating
LHR-80
VHF/GPS
Handheld
Radio

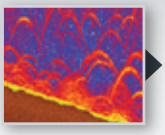
Endura™ Out&Back

# HDS® Multifunction Displays

HDS® High Definition System

## Proven Performance for Your Finest Hours on the Water.

## Built-in, standard-setting HDS innovations uniquely extend your capacity and enjoyment on the water.



### Broadband Sounder™ – Recognized Excellence in Fish and Structure Detection

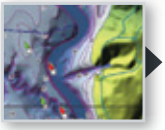
A leap ahead in traditional 2-D analog fishfinding, award-winning HDS Broadband Sounder™ digital acoustic sonar presents peerless, high-detail marking and display of everything underwater. At higher speeds. At greater depths to 3,300 ft./1000 m.

STANDARD ON ALL HDS FISHFINDER MODELS

### Internal GPS Antenna – Spot-on Always

Advanced Lowrance high-sensitivity GPS receiver with WAAS corrections for reliable position accuracy in navigation.

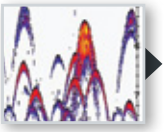
STANDARD ON ALL HDS CHARTPLOTTER MODELS



### Intuitive Insight High-Definition Mapping

Exclusive Lowrance Insight cartography presents the most unique viewing dimension ever achieved for supreme fishing and navigation guidance of U.S. inland lake and coastal waters. Dynamic contour relief produces a life-like presentation of underwater topography that's enhanced with Fishing Hot Spots® fisheries detail.

STANDARD ON MOST HDS CHARTPLOTTER MODELS



### SolarMAX™ Screen Technology – You Won't Miss a Thing

Another Lowrance achievement, exclusive SolarMAX™ display technology renders the finest picture and detail – even in the brightest sun and at the widest viewing angles – of any recreational marine electronics. Super-white adjustable LED backlighting with zero-dim for night vision clarity.

STANDARD ON ALL HDS MODELS

## Special Key Features – Control on the Fly

Unique FlyWheel™ scroll dial and display-dedicated soft function keys give the fastest and easiest access to key features/functions control of any display screen mode.

STANDARD ON ALL HDS-10 AND HDS-8 HDS MODELS



## Easy Operation – Enjoy Selections from a Unique Menu

Special, intuitive graphic + text user interface displays are easy to grasp and speed access and control of feature functions.

STANDARD ON ALL HDS CHARTPLOTTER MODELS

## SD Media Card Port – Another Lowrance First




Insert and display Insight HD, Navionics®, Fishing Hot Spots® or LakeMaster® digital charting options.. Record/save sonar logs and GPS detail data as well as screen captures. Upload performance-enhancing software upgrades. The HDS media port is totally waterproof.

STANDARD ON ALL HDS CHARTPLOTTER MODELS

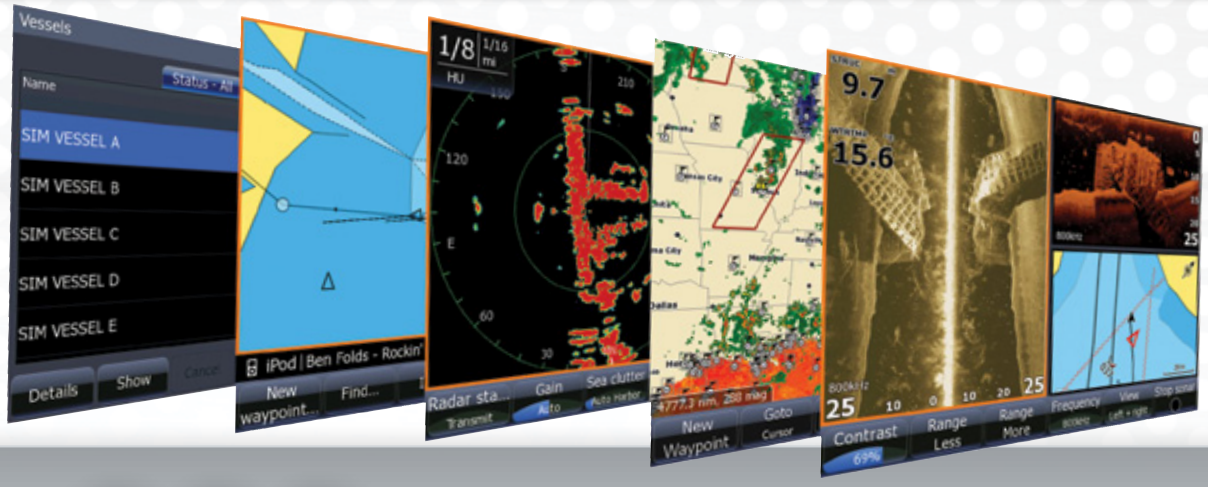
## Out-of-the-Box Networking – Plug-and-Play Perfected



HDS features full plug-and-play connectivity for multifunction networking and performance options expansions with the versatility of dual platforms: High-speed Ethernet for data-intensive devices, plus NMEA 2000® for lower-bandwidth sharing of outboard engine and onboard sensors data with all networked displays.

STANDARD ON ALL HDS MODELS

# HDS® Performance Expansions Options




## StructureScan™ Sonar Imaging

Picture-perfect sonar detail with the most technically-advanced and full panoramic viewing – left, right and straight down – with plug-and-play HDS Ethernet networking.

OPTION FOR ALL HDS MODELS

Pages 16-19

## Choice Cartography Choices

HDS is fully compatible with the widest array of high-detail chartcards to maximize your time, fishing/navigation success, and safety on inland and coastal waters. All with the convenience of plug-and-play viewing.

- **Lowrance Insight HD** – Dynamic, life-like underwater topography enhanced with Fishing Hot Spots® detail, featuring inland, coastal and new Baja coverage choices. Pages 20-21
- **Navionics®** – Superb coverage, detail and selection, including HotMaps® Platinum and Premium mapping, to Platinum+ and Gold digital charting. Pages 22-23
- **Fishing Hot Spots® PRO USA** – The ultimate angler's digital map and fishing card details nearly 4,500 lakes across America. Page 24
- **LakeMaster®** – Exceptional high-detail, high-definition mapcards of popular north central inland U.S. waters; includes Insight contour relief choices. Page 24

OPTIONS FOR ALL HDS CHARTPLOTTER MODELS

## Transducers

Versatile, super-sensitive choices for superior sonar sounding performance, from inland fresh water, to coastal in-shore and near-shore, to high-power/deep water offshore selections.

OPTIONS FOR ALL HDS FISHFINDER MODELS

Page 34-35

## Broadband Radar™

The most signifcant advancement in recreational radar. Tune-free, close-in, high-detail navigation. Radiation-free radomes that are easy and safe to mount anywhere, with HDS Ethernet networking and radar/chart overlay via NMEA 2000®.

OPTION FOR ALL HDS MODELS

Pages 26-27

## HD Digital Radar

Advanced, high-definition radomes or open array with digital signal processing for target detection with superb accuracy in dark and foul weather. HDS Ethernet networking and radar/chart overlay via NMEA 2000®.

OPTIONS FOR ALL HDS MODELS

Page 28

## AIS

AIS (Automatic Identification System) focuses your awareness on other AIS-equipped boats and ships in your vicinity and helps reduce the risk of collision by exchanging safety data between them. Displayed on HDS via NMEA 2000® data network.
OPTION FOR ALL HDS MODELS WITH CHARTPLOTTING
Page 32

## High-Speed GPS Antenna

Enhanced and incredible GPS position accuracy at even the highest boat speeds in a 5 Hz 16-channel antenna module with true position updates five times every second when networked to HDS via NMEA 2000® data network..
OPTION FOR ALL HDS MODELS WITH CHARTPLOTTING
Page 32

## LWX-1 SIRIUS® Satellite Weather/Radio

This plug-and-play smart antenna module networks with any onboard HDS display for real-time, high-resolution NOWRad® satellite weather, plus digital stereo radio, with inland and coastal SIRIUS® subscription choices.
OPTION FOR ALL HDS MODELS EXCEPT HDS-5x
Pages 25

## SonicHub™ Marine Audio Server

Experience a whole new audio wave in onboard entertainment with the world's first marine-grade, waterproof audio hub/docking system with the convenience of total control using any HDS multifunction display.
OPTION FOR ALL HDS MODELS
Page 30

## Boat/Engine/Fuel Management

Lowrance innovation delivers the most comprehensive selection of NMEA 2000® network gauges, sensors and engine interfacing for improved vessel systems management and fuel economies.
OPTIONS FOR ALL HDS MODELS
Page 33

## VHF Marine Radios

Remarkable quality, features, dependability and value in special-featured fixed-mount and handheld VHF marine communications.
Page 47

## Endura™ Handheld GPS

Versatile precision, marine-quality portable navigation choices make the perfect backup GPS for added safety. Compatible with Fishing Hot Spots® PRO USA and select Navionics® chartcard options.
Page 48

# Fishfinder/Chartplotter Multifunction Displays

HDS® High Definition System

Shown with Navionics®Platinum+ cartography and StructureScan™ Sonar Imaging

*"We found the tarpon of a lifetime, but an 800-pound hammerhead kept stealing our trophy catch. The next day was our turn. We used StructureScan and Trackback to mark a huge school of tarpon off a small ledge, and the shark was right next door. On our first pass, we hooked that monster and settled the score."*

– Tom Rowland,
*Saltwater Experience* TV Host

## HDS-10

### Fishfinder/GPS Chartplotter

Massive, high-definition 10.4 in./26.4 cm, 600V x 800H pixel Super VGA color detail. Brighter SolarMAX™ PLUS display for superior sunlight and wider-angle viewing. Built-in Insight USA™ high-definition cartography with Fishing Hot Spots® detail, or enhanced U.S. basemap. Pure-white LED screen/keypad backlighting fully adjusts to zero-dim for night viewing. Two-year limited warranty.

**HDS-10 Insight USA (transducer sold separately) 000-0140-41**
**HDS-10 Insight USA, 83/200 kHz Skimmer® transducer 000-0140-13**
**HDS-10 Insight USA, 50/200 kHz Skimmer® transdcuer 000-0140-02**
**HDS-10 US Basemap, 83/200 kHz Skimmer® transducer 000-0140-00**

Shown with U.S. basemap and StructureScan™ Sonar Imaging

## HDS-8

### Fishfinder/GPS Chartplotter

All the same features and high-definition, Super VGA color clarity viewing of the HDS-10 in an award-winning, 8.4 in./21.3 cm. display size. Built-in Insight USA™ high-definition cartography with Fishing Hot Spots® detail, or enhanced U.S. basemap. Two-year limited warranty.

**HDS-8 Insight USA (transducer sold separately) 000-0140-39**
**HDS-8 Insight USA, 83/200 kHz Skimmer® transducer 000-0140-07**
**HDS-8 Insight USA, 50/200 kHz Skimmer® transducer 000-0140-06**
**HDS-8 US Basemap, 83/200 kHz Skimmer® transducer 000-0140-09**

# HDS-7

## Fishfinder/GPS Chartplotter

HDS excellence in performance and viewing detail with large 6.4 in./16.3 cm, 480V x 640H pixel Full VGA color viewing. Exceptional HDS brilliance with SolarMAX™ PLUS display for superior sunlight and wider-angle viewing. Built-in Insight USA™ high-definition cartography with Fishing Hot Spots® detail, or enhanced U.S. basemap. Two-year limited warranty.

**HDS-7 Insight USA (transducer sold separately) 000-0140-36**
**HDS-7 US Basemap (transducer sold separately) 000-0140-34**
**HDS-7 Insight USA, 83/200 kHz Skimmer® transducer 000-0140-12**
**HDS-7 Insight USA, 50/200 kHz Skimmer® transducer 000-0140-14**
**HDS-7 US Basemap, 83/200 kHz Skimmer® transducer 000-0140-05**

Shown with Insight USA cartography

# NEW!

## HDS-7 with StructureScan™ Sonar Imaging

HDS-7 Insight USA bundled with StructureScan™ Sonar Imaging system.

**HDS-7 Insight LSS-BNDL 000-10321-001**

## HDS-7m Insight USA, GPS Chartplotter

**000-0140-16**

# HDS-5

## Fishfinder/GPS Chartplotter

HDS definition in a popular space-saving size, with exclusive high-resolution 5 in./12.7 cm viewing. The 16 bit display is capable of rendering 65,000 colors with adjustable screen and keypad backlighting. Built-in inland Lake Insight™ or coastal Nautic Insight™ high-definition cartography with Fishing Hot Spots® detail, or enhanced U.S. basemap. Two-year limited warranty.

**HDS-5 Lake Insight (transducer sold separately) 000-0140-30**
**HDS-5 Nautic Insight (transducer sold separately) 000-0140-31**
**HDS-5 US Basemap (transducer sold separately) 000-0140-32**
**HDS-5 Lake Insight, 83/200 kHz Skimmer® transducer 000-0140-19**
**HDS-5 Nautic Insight, 50/200 kHz Skimmer® transducer 000-0140-20**
**HDS-5 US Basemap, 83/200 kHz Skimmer® transducer 000-0140-21**

Shown with U.S. basemap water detail

## HDS-5 with StructureScan™ Sonar Imaging

HDS-5 Lake Insight bundled with StructureScan™ Sonar Imaging system.

**HDS-5 LSS-BNDL 000-00099-001**

## HDS-5m Nautic Insight™, GPS Chartplotter

**000-0140-23**

# Multifunction Fishfinders

HDS® High Definition System

## HDS-5x

### Fishfinder

Lowrance Broadband Sounder™ sonar performance in a popular space-saving size, with exclusive high-resolution 5 in./12.7 cm SolarMAX™ viewing detail. 480x480-pixel resolution to maximize target definition and display brightness. Adjustable keypad and backlighting to match viewing conditions.

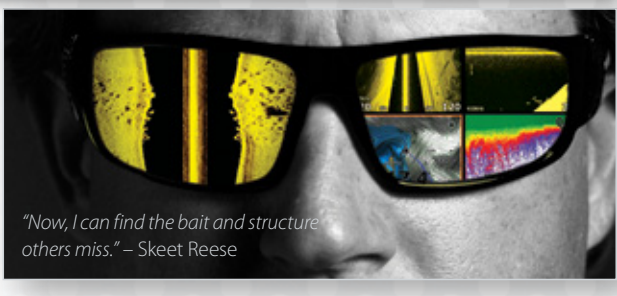
Plug-and-play compatible with Lowrance Ethernet and NMEA 2000® networks. Expandable for picture-like underwater viewing with optional LSS-1 StructureScan™ Sonar Imaging system.

| | |
|---|---|
| **HDS-5x (transducer sold separately)** | **000-0140-29** |
| **HDS-5x with 83/200 kHz Skimmer® transducer** | **000-0140-27** |
| **HDS-5x with 50/200 kHz Skimmer® transducer** | **000-0140-28** |

# StructureScan™ Sonar Imaging for HDS

HDS® High Definition System

# CHANGE YOUR VIEW.



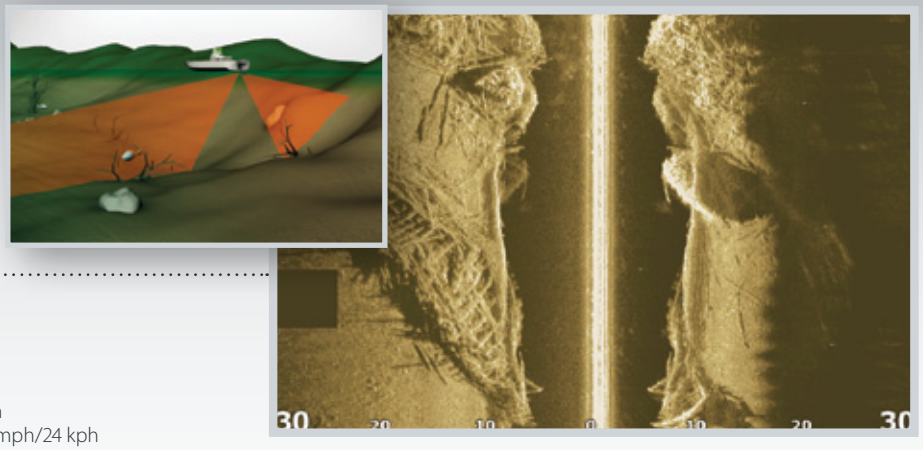

## Exclusive StructureScan™ Sonar Imaging
## Sees More. Reveals More. Does Much More.

Enjoy the highest level of structure- and fish-finding viewing clarity, with the first and only true, panoramic underwater imaging of fish, structure and terrain – left, right, and exclusively, straight down from your boat – with phenomenal picture-perfect detail.

## The Most Complete Structure And Fish-Finding Technology Ever Achieved.

### SideScan Imaging

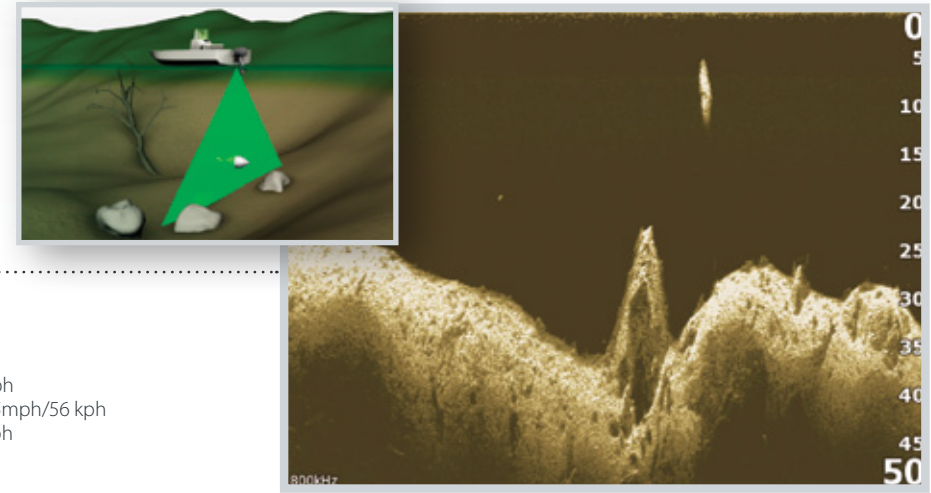
Crisp side-view dimensional detail, up to 500 ft./152 m wide, so you can survey more water in less time to find productive spots. Reveals targets and their scan shadows – structure, game fish and baitfish alike.




**Frequency:** 455 or 800 kHz
**Depth range:** to 150 ft./46 m
**Side range (each side):**
250 ft./76 m @455 kHz
150 ft./46 m @800 kHz
**Bottom tracking:** up to 35 mph/56 kph
**Mark baitfish-large objects:** up to 15 mph/24 kph
**Optimum imaging:** 2-10 mph /3-16 kph

### Exclusive DownScan Imaging™

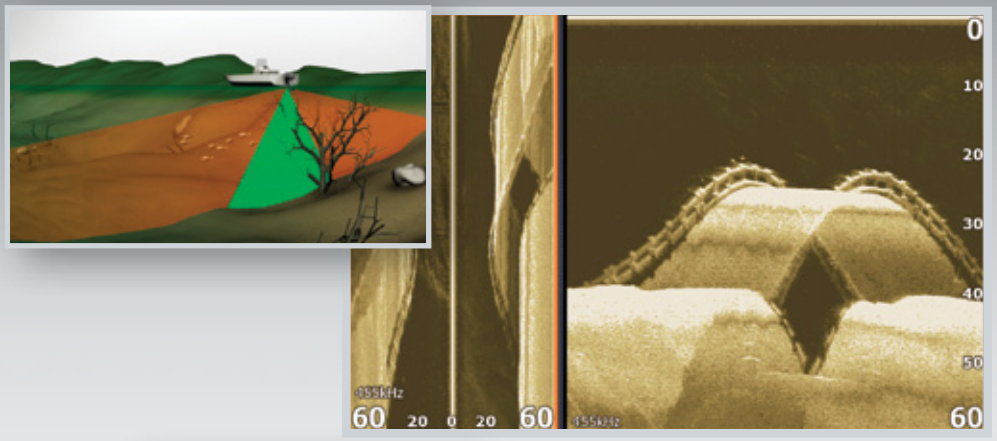
Lowrance innovation introduces another first to fishfinding, with a dedicated transducer crystal array for a sharp, accurate view of what's straight down under the boat. Structure, fish and thermoclines are revealed with stunning picture-quality perfection and accuracy – an exclusive Lowrance feature like no other.




**Frequency:** 455 or 800 kHz
**Depth range:**
300 ft./92 m @455 kHz
100 ft./30 m @800 kHz
**Bottom tracking:** up to 55 mph/88 kph
**Mark baitfish-large objects:** up to 35mph/56 kph
**Optimum imaging:** 2-10 mph/3-16 kph

## Full Panoramic Imaging

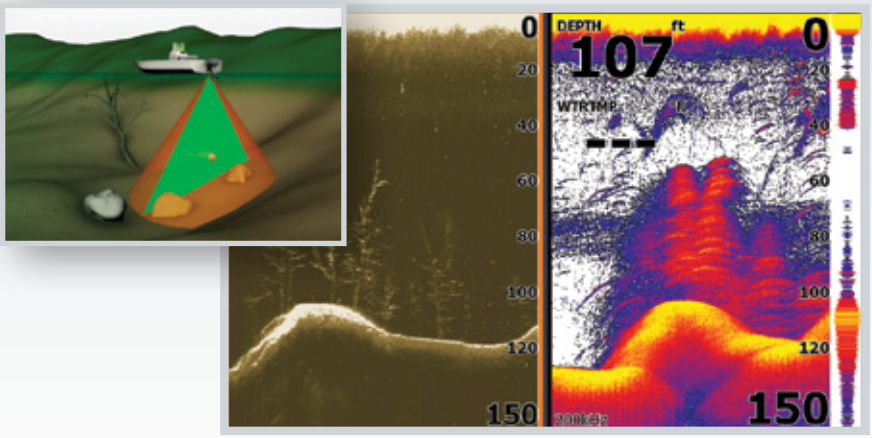
Yet another Lowrance first to help you fish better and smarter: SideScan plus DownScan Imaging™ displayed together for full panoramic underwater viewing detail... left, right, and straight down under the boat. You save time and fuel in locating productive spots. And you don't miss a thing.




*Exclusive Lowrance No-More-Guessing Tool*

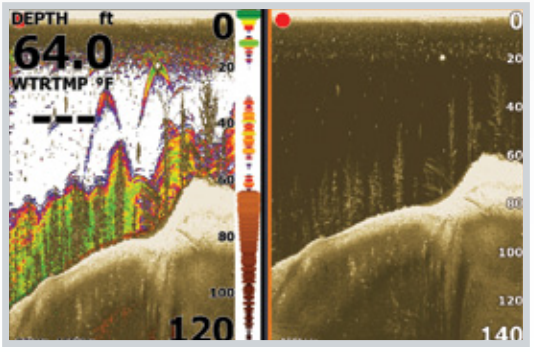
## DownScan Imaging™ with Broadband Sounder™

This dynamic duo of two original Lowrance innovations are unmatched for the most effective fish finding ever achieved that leaves no doubt. For example, DownScan Imaging™ confirms tree structure and shows potential fish, while built-in HDS Broadband Sounder™ digital sonar confirms fish as arches.



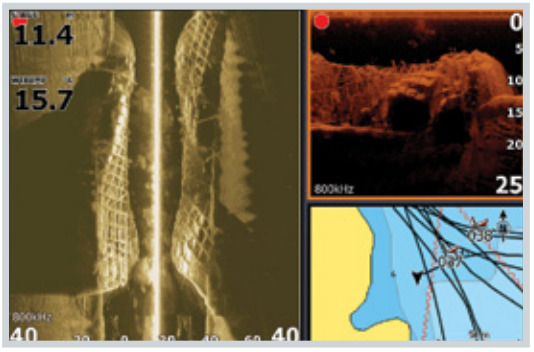

## Plus, Exclusive DownScan Overlay™

The patent-pending merger of DownScan Imaging™ onto Broadband Sounder™ digital sonar in a single display clearly and distinctly separates and defines fish from bottom and structure at a glance.

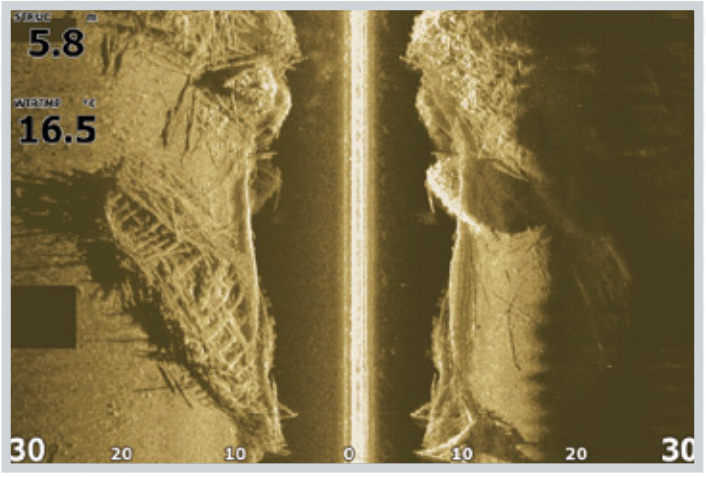



## Synchronized TrackBack™ Tool

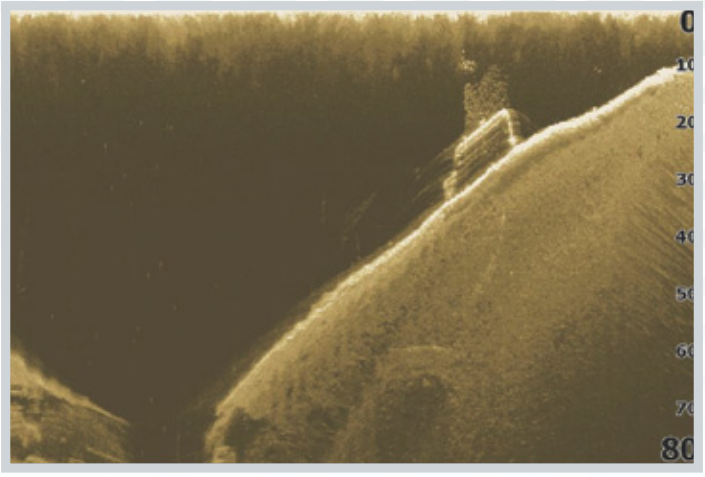
Simultaneous scroll-back in all fishfinder and chartplotter history displays is a time- and fuel-saving way to revisit covered water and easily set waypoints. When networked via Ethernet, waypoints set are automatically posted to all HDS models with chartplotting onboard.



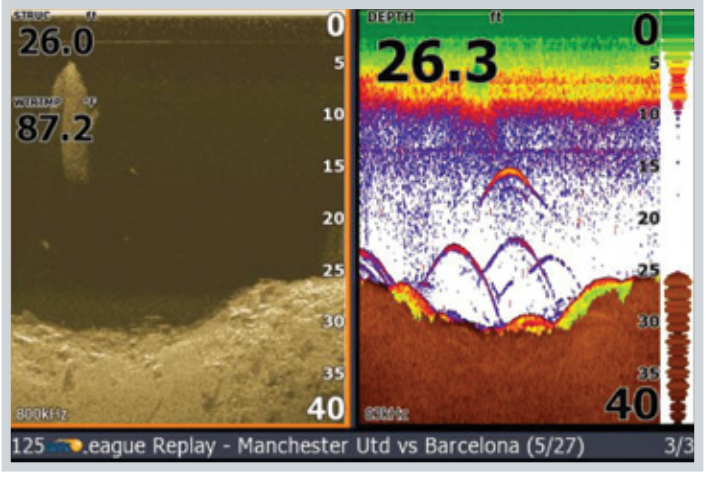
# StructureScan™ Sonar Imaging for HDS



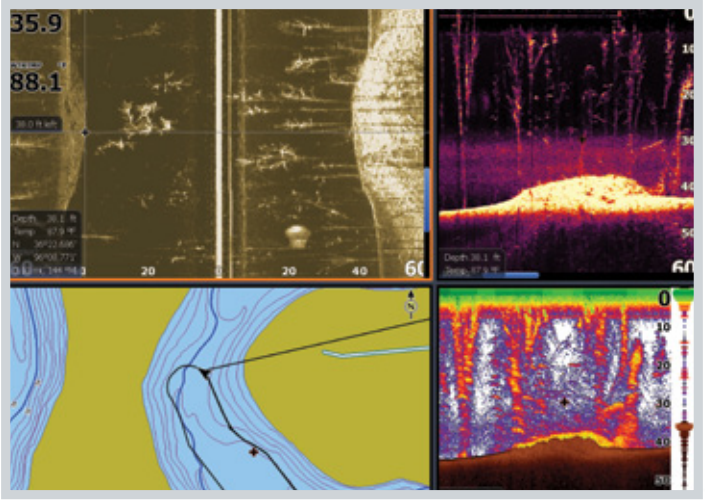

Advanced StructureScan technology produces incredible SideScan viewing dimension and detail like this skeleton of a sunken boat



Exclusive Lowrance DownScan Imaging™ presents an incredible, highly defined and refined picture for structure identification than sidescan imaging alone – as this submerged bus showing bait clustered above it.

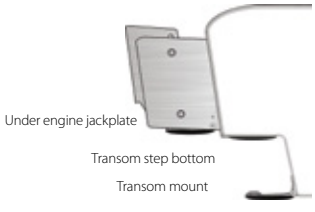



With StructureScan and HDS, you miss nothing in spotting productive fishing instantly. Here, DownScan Imaging™ (left) shows a baitfish cluster and dots of predators. Broadband Sounder™ sonar (right) exposes those game fish.



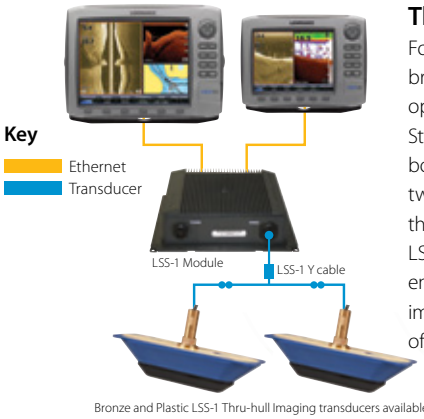

Add StructureScan™ Sonar Imaging to your HDS and get the whole picture with unique multi-window displays of imaging, sounder and chartplotter views in up to four-screen windows on HDS-8 and HDS-10 displays.

## Transducers




### External – rugged precision

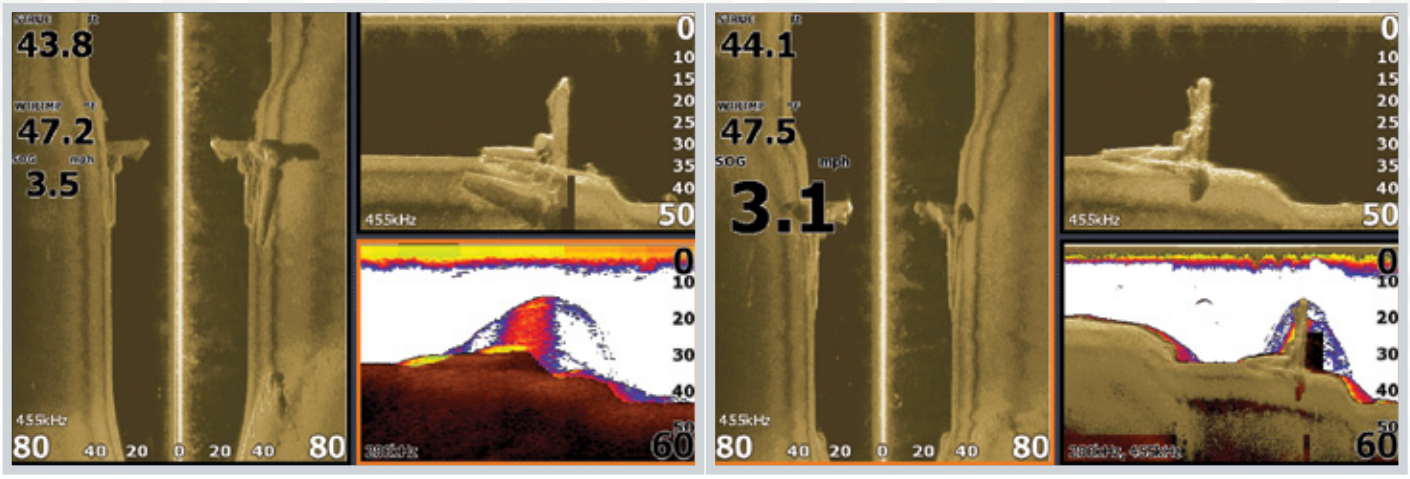
Extreme low-drag design offers mounting conveniences. Flush-mounts under engine jackplate or under the transom step. Transom-mounts via stainless-steel bracket with water hazard protection. Trolling-motor mounts with optional low-profile adapter bracket.




Bronze and Plastic LSS-1 Thru-hull Imaging transducers available.

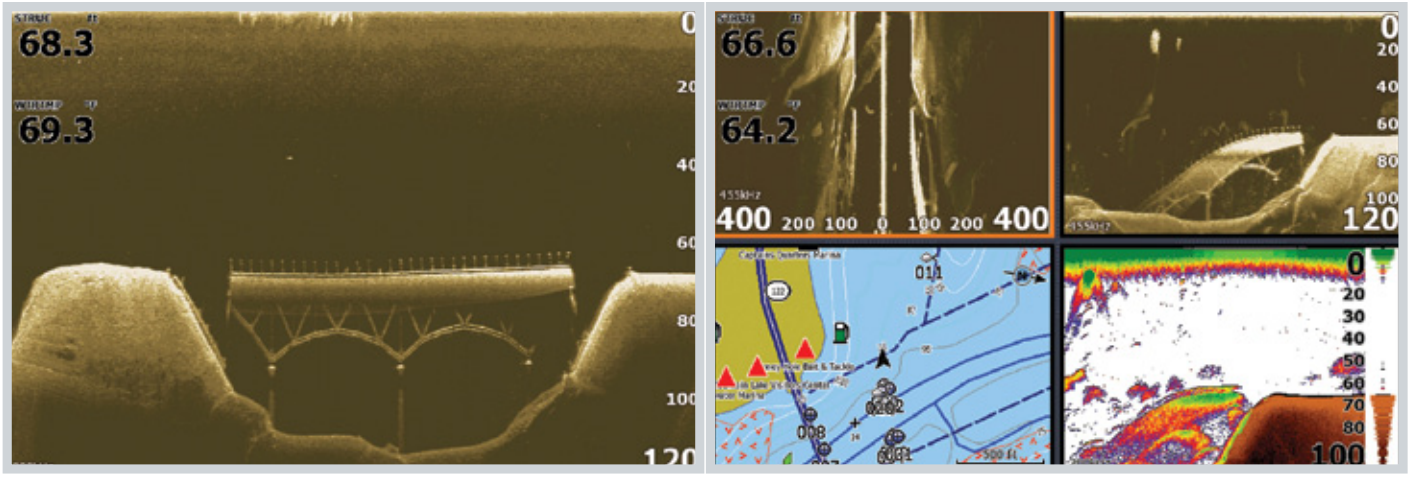
### Thru-Hull Imaging

For hull-mounting bolt-thru-hull bronze and plastic transducer options are available for StructureScan™ Sonar Imaging. For boats with a greater deadrise, install two thru-hull transducers, connect them with the Y cable to a single LSS-1 StructureScan™ module, and enjoy panoramic Lowrance sonar imaging to the left, down and right of your boat.




These screen shots of a sunken bridge support in a Montana lake clearly displays the difference DownScan Overlay™ can make. Compare the lower right sonar windows of each.

Without overlay (left), Broadband Sounder structure showing is excellent, but now well-defined. By adding DownScan (right) the structure – and – are clearly displayed.




StructureScan is already solving underwater mysteries as these screen shots from Smith Mountain Lake in Virginia show. Despite bathy metric studies and local legends to the contrary, StructureScan imaging proved a major bridge – covered by a lake-creating damming project in the 1960s – was still there.

# Networking

## Extended Networking

**With one StructureScan™ module and imaging transducer system:**
Share imaging and sounder transducers with up to three HDS onboard displays, each with display and function control.

**With two StructureScan™modules and transducers:**
Bow trolling motor for precise Downscan Imaging™ without smear, even in the roughest water. Stern system for wider side-viewing surveys at console. Link both for any imaging display and control with any other HDS fishfinder or chartplotter.

| Model | Part |
|---|---|
| LSS-1 StructureScan™ Sonar Imaging system | 000-0132-06 |
| LSS-1 StructureScan™ Sonar Imaging without imaging transducer | 000-00099-002 |

Page 38 for transducer options and accessories

# Insight HD Chartcard Options

HDS® High Definition System

### True, Accurate and 4X Better Detail

Lowrance Insight HD chartcards present a powerful boating and fishing reference tool with four times better resolution for tighter zoom-in HDS screen detail than before.

### Greater Depths Perception

With even higher-definition contour shaded relief, Insight HD chartcards display a striking look and feel for instant recognition and precise understanding of submerged topography at a glance. Quickly find fish-holding areas, while easily avoiding dangerous shallows just as fast. Depth contour lines detail are selectable on/off at the viewers discretion.

### Fishing Guides Included

Besides charting, each Insight HD chartcard is fully loaded with detail and information for your fishing success, for both inland and coastal/offshore waters. From renowned names like Fishing Hot Spots® and Baja Directions™, you enjoy reliable, expert fishing tips and techniques, fishery guidance, marked fishing locations and much more to save you time and fuel in locating proven, productive waters.

### Space to Save

Every Lowrance Insight HD chartcard comes with ample memory space to record sonar logs, screenshots, waypoints/routes/trails and HDS system settings without need for an additional SD memory card.

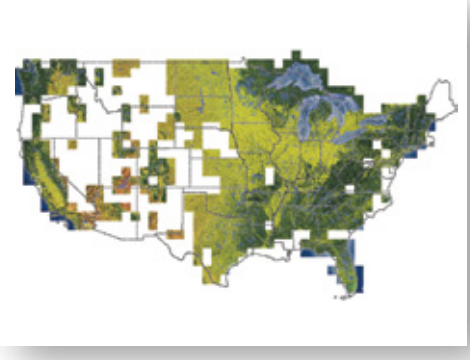
### Premium Coverage Options

For wherever you take your HDS and your fishing gear in the U.S. or the Baja, Insight HD card options have you covered. Premium, high-detail choices that truly don't cost a premium.

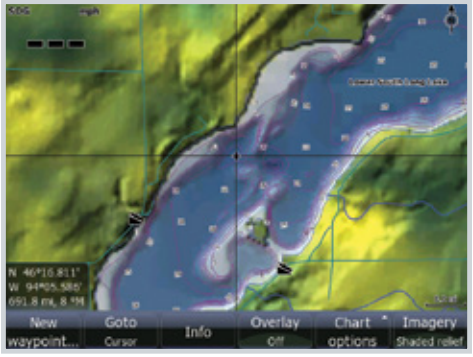
## Lake Insight™ HD

Continental U.S. lakes, rivers and Great Lakes coverage on one chartcard. Exclusive Fishing Hot Spots® detail for over 500 popular lakes. Plus, over 5,000 lakes with enhanced shoreline detail and depth contours, along with 100,000+ named bodies of water.

**Lake Insight HD 000-10039-001**

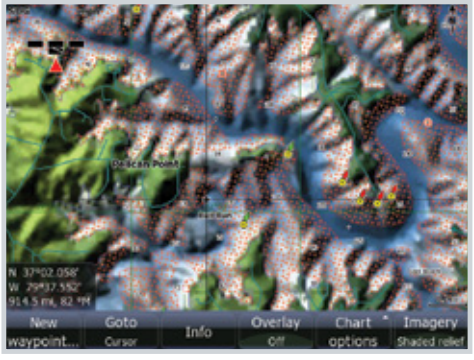


Lake Insight™ HD coverage.

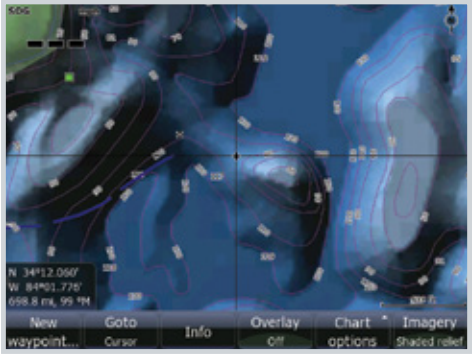



Lake Insight™ HD – Lower South Long Lake, MN detail zoomed to 0.2 mi. showing.

Fishing Hot Spots




Lake Insight HD – Supreme navigation and fishing guidance for Smith Mountain Lake with key Fishing Hot Spots® data.



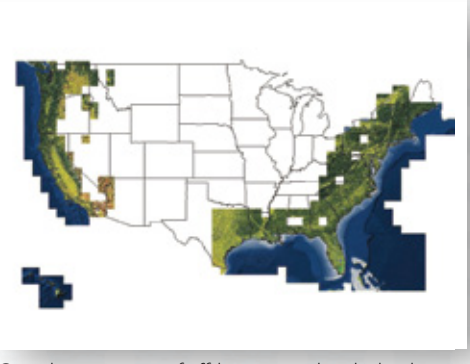

Lake Insight™ HD – Exquisite close-in detail of Lake Lanier with vital depth contour and other detail.

## Nautic Insight™ HD

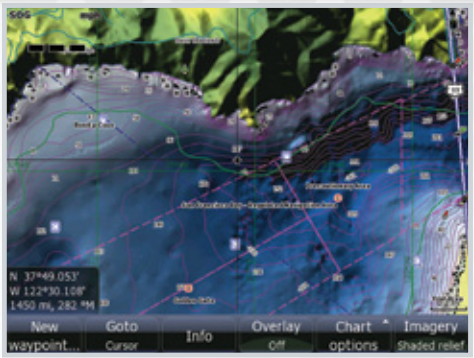
Two chartcard choices with superb U.S. coastal and offshore saltwater cartography. East: Maine to all of Texas. West: California to Washington plus Hawaii. Both feature Lake Insight™ HD inland detail within 100 miles of U.S. coast And Fishing Hot Spots® lake and coastal detail.

**Nautic Insight™ HD East**
**000-10041-001**

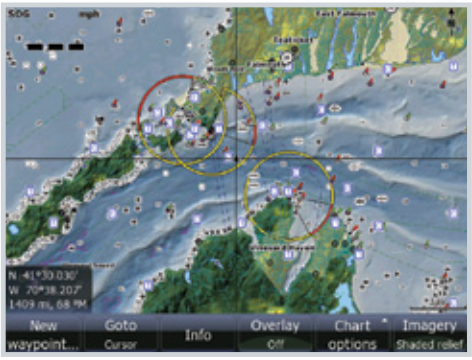
**Nautic Insight™ HD West**
**000-10040-001**



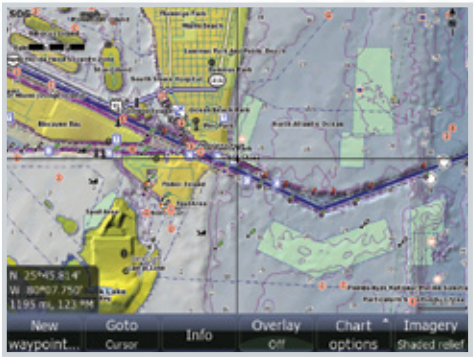
Complete coverage of offshore, coastal and inland waters up to 100 miles inshore.




Nautic Insight HD – Details with unique viewing dimension for navigating the entry or exit of San Francisco Bay.




Nautic Insight HD – Exceptional HDS view of Nantucket Sound with Tide, Current and other and other important navigation detail including the lay of the surrounding water and land.

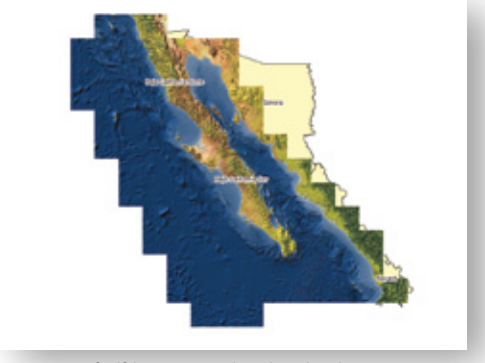



Nautic Insight HD – Helpful shaded relief, navigation aids and total water/land situational awareness shown for the Miami Beach Government Cut.

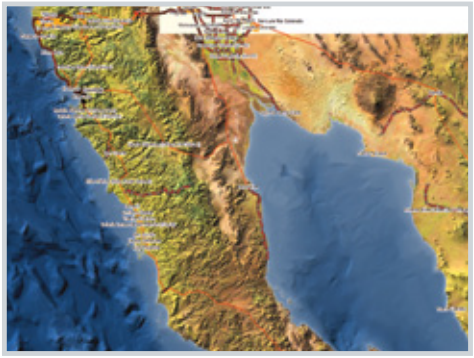
## NEW!
## Nautic Insight™ HD BAJA

Exclusive high-definition and high-detail electronic charting of the entire Baja peninsula from Baja Directions™, with exclusive fishing tips & techniques for thousands of marked fishing spots, plus contour shaded land relief from California to Cabo.

**Nautic Insight™ HD Baja**
**000-10380-001**



Coverage of offshore, coastal and 3D land imagergy.



Portions of Northern Baja with high detail of both water and land.

Full detail from Baja across the Sea of Cortez to winter harbors and hurricane safe zones, map showing areas around Culiacan.

Perfect map for sailing around Bahía de los Ángeles, showing you all the camps and islands near to Bahía.

# Navionics® Options for HDS®

Lowrance HDS® gives you greater latitude in plug-and-play digital media cartography detail, coverage and choices with full Navionics® compatibility – the world's largest and most experienced provider in worldwide electronic marine charting.

### TurboView™– Powered Navigation

Embedded in every HDS chartplotter, TurboView™ greatly enhances the display of all Navionics® Platinum+ charting and HotMaps® Platinum Lake Maps charting for remarkable situational awareness. At your command is seamless zooming with fluid transition between 2D and 3D display modes, along with improved shadowing for greater depth perception, and real-time overlay of nav data on 3D contour profiles. Plus, a special FlyThru feature integrates high-speed chart panning and zooming with aerial photography for a new and helpful on-the-water perspective.

## Coastal

### Platinum+

Experience the most advanced technology and best imaging available in multidimensional charting with TurboView™ display enhancements. Enjoy complete coastal pilot, high-resolution top-down photo/chart overlay, full-view panoramic pictures, remarkable 3D view and high-definition fishing detail included on the same chartcard.

### Gold

Navionics® Gold electronic charts are a fundamental tool of coastal navigation, with features tuned for serious fishing and cruising that includes wrecks, port services enhancements and major coastal roads. Plus high-definition detail of near-shore and offshore structure, ledges and canyons vital to successful saltwater angling.

## Lakes

### HotMaps® Platinum

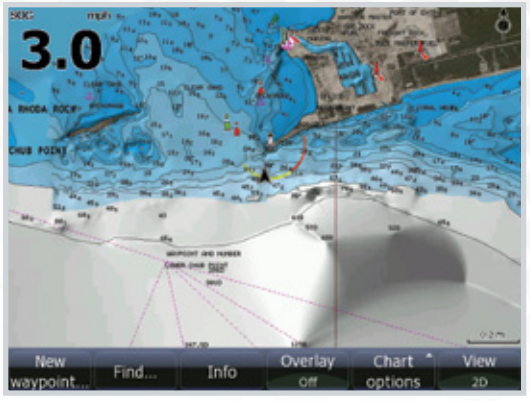
Featuring more than 17,000 total lake maps with complete fishing information for HDS, plus over 1,000 high-definition lake maps. Includes 3D viewing, panoramic lake photos, top-down satellite images, plus 1 ft. bottom contours from exclusive Navionics® on-water surveys. Choice of five huge U.S. and Canadian regions on mapcards and fully compatible with TurboView™ for enhanced HDS viewing and navigation.

### HotMaps® Premium

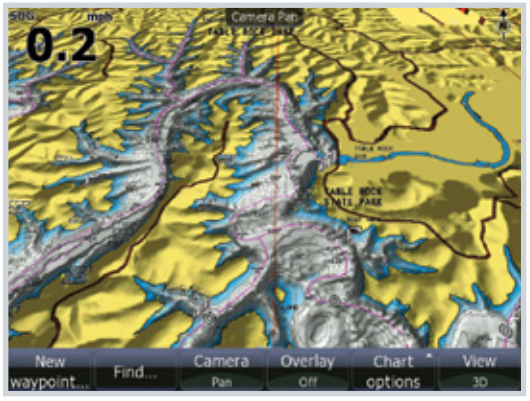
Includes over 17,000 total lake maps with complete fishing information for HDS, plus over 1,000 high-definition lake maps featuring exclusive 1 ft. bottom contours from Navionics® on-water surveys. Choice of 5 huge U.S. and Canadian regions mapcards, ready to use with HDS … just plug-and-play and fish!

HDS also displays older Navionics® cartography on memory card.
See *www.navionics.com* for compatibility listings.

*www.navionics.com for more.*

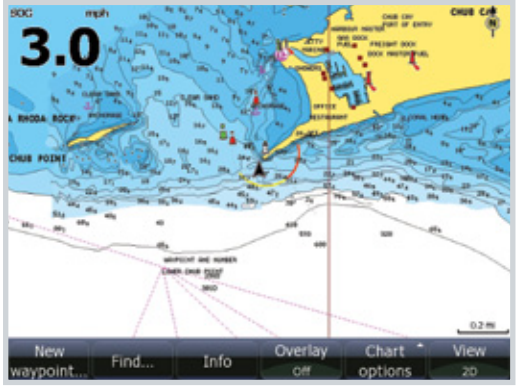


Navionics® Platinum+ 2D.

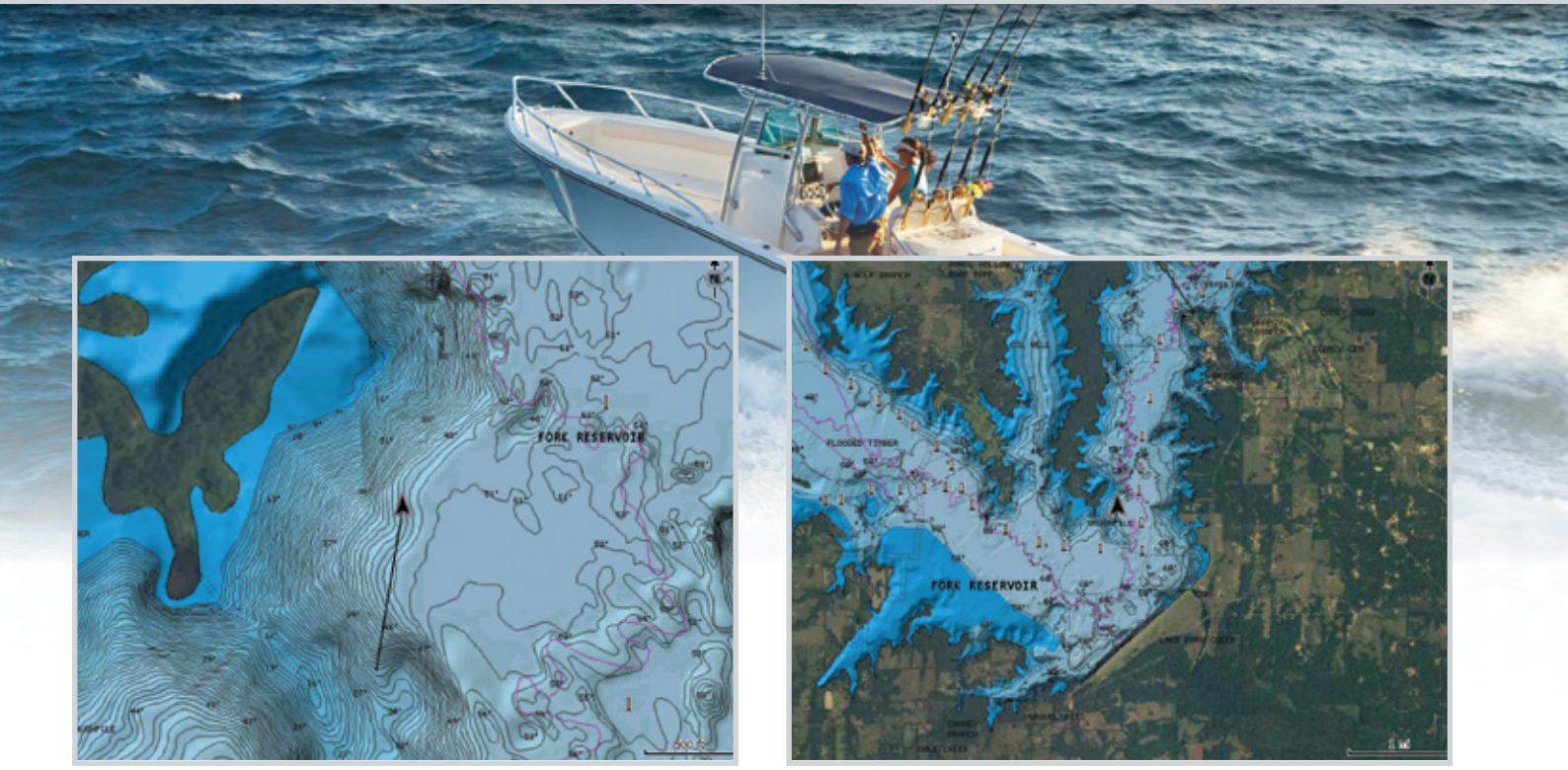


Navionics® Platinum+ 3D.

Navionics® Platinum+ 3D with satellite overlay.



Navionics® Gold.

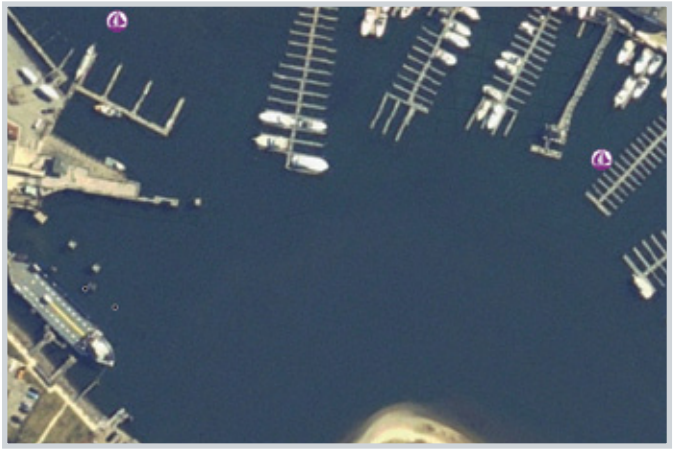





Navionics® HotMaps® Platinum.

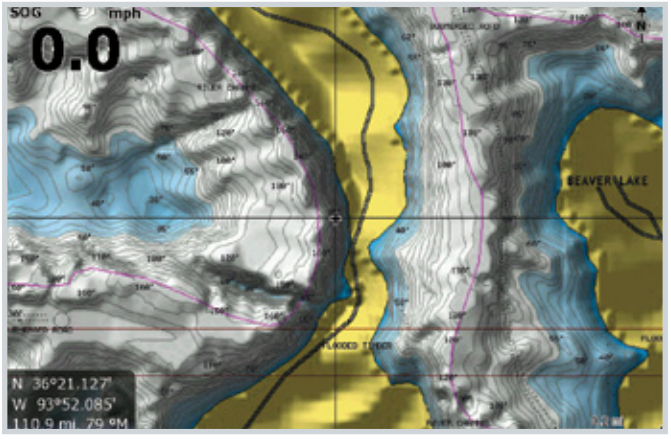



Navionics® HotMaps® Platinum.

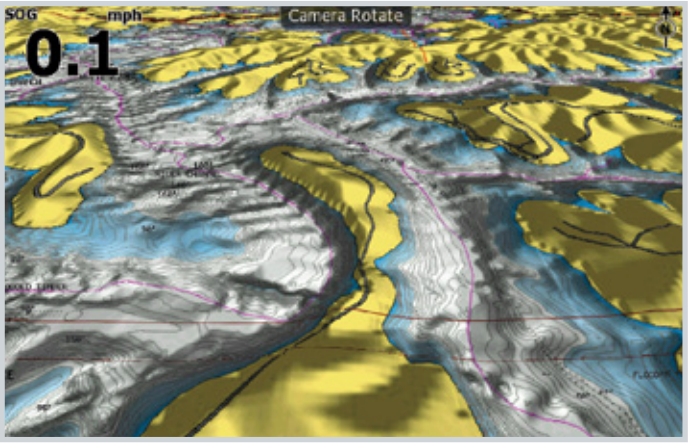


Navionics® Platinum+ Aerial View.

Navionics® Platinum+ 3D.




Navionics® Platinum+ 2D.




Navionics® Platinum+ 3D .

# Performance Expansions Options

HDS® High Definition System

## Superb Inland Lake Mapping Choices

### LakeMaster®

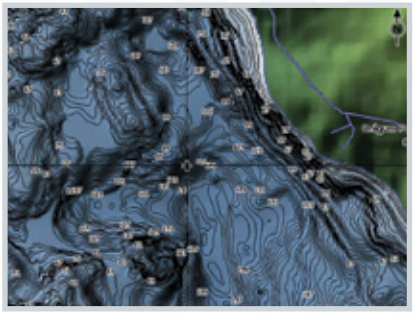
Powerful, detailed and accurate, LakeMaster® plug-and-play mapcards are a favorite of Lowrance-equipped anglers on-the-water and on-the-ice in the mid-north region of the U.S.

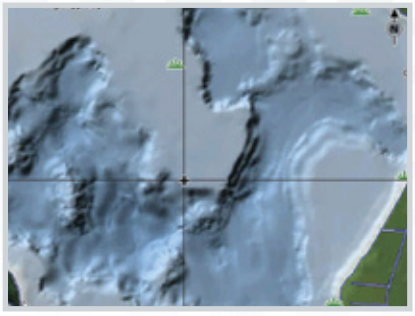
Renowned for their high-definition survey of key lakes, LakeMaster® includes highly detailed road mapping in each of their six mapcard regional selections: Illinois/Iowa, Michigan, Minnesota, North/South Dakota, Wisconsin and Lake of the Woods/Rainy Lake.

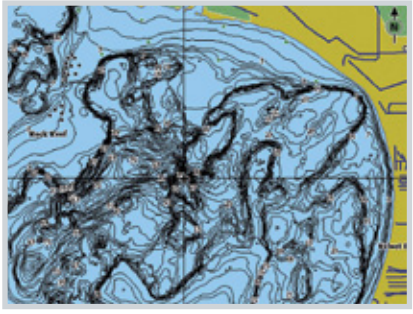
For HDS® and Endura™, LakeMaster® INSIGHT mapcards display easy-to-read 3D shaded relief – with or without depth contours – to quickly recognize prime fishing areas on the water, or on the ice.

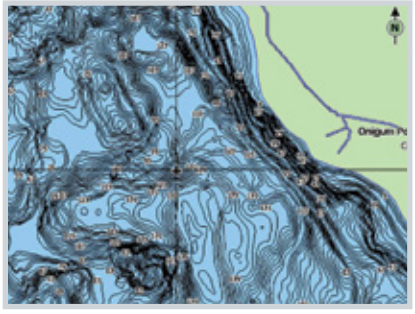
For HDS®, Endura™, Elite™ and earlier GPS models, LakeMaster® Lowrance Legacy mapcards deliver high definition and detail in 2D displays.

For more on LakeMaster®, card/lakes listings and where to buy: *www.lakemap.com*





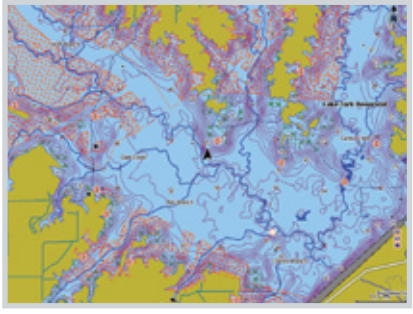




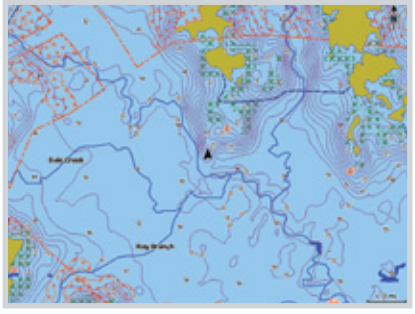
### Fishing Hot Spots® PRO USA

The ultimate anglers' digital map and fishing card, Fishing Hot Spots® Pro USA delivers more fishing information and map data than any other single chip. Nearly 4,500 Enhanced Lakes across the USA are available with detailed shorelines and depth contours. Premier fishing waters are complete with all of Fishing Hot Spots® own, extensively researched, Fishing Points of Interest, Lake Profiles and lake specific Fishing Tips & Techniques. All this, loaded on a single microSD card packaged with and adaptor to accommodate all Lowrance memory card slots. Plug-and-play compatible with HDS®, Endura™, Elite™ and many earlier Lowrance models.

For more and where to buy: *www.fishinghotspots.com*



HDS



HDS

Elite

Endura

# LWX-1 SIRIUS® Satellite Weather and Radio Module

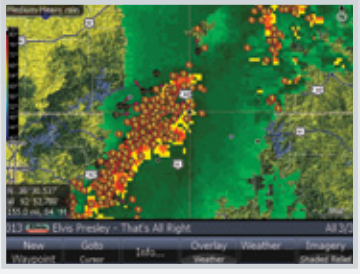
It's easy and smarter to enjoy much safer, and even more entertaining times, when on the water.

Just connect HDS® to the LWX-1 option with your choice of SIRIUS® subscriptions, and enjoy instant, accurate and the latest weather displays at your fingertips. So you can stay ahead of – and out of – the rain, or worse. With the greatest of definition and viewing detail.

Plus, add a SIRIUS® satellite radio subscription, and enjoy over 130 commercial-free channels of music, news, sports, family and other programming.

## Key LWX-1 Features

- Easy to install, activate and use with any HDS model with chartplotting
- Plug-and-play Ethernet connection feeds weather to one, or more onboard HDS displays via NEP-2 Network Expansion Port option, each with independent display control
- Overlay SIRIUS® weather on any high-detail HDS chartplotter cartography display for greater weather-tracking awareness
- Low-profile weatherproof antenna for deck flush-mount or pole-mount ease
- Stereo audio output streams SIRIUS® satellite radio to an onboard sound system, like the Lowrance SonicHub™ marine audio server (see page 30)
- Saves and displays latest weather data up to 30 minutes after boat power-down, as when refueling



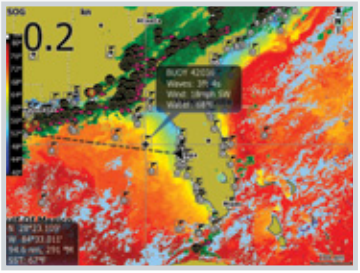
Inland SIRIUS® NOWrad® weather radar with lightning strike indictors

### Excusive SIRIUS® Marine Weather

Plan trips using advanced forecasts. See clear skies and fair weather behind squall lines. Avoid dangerous lightning and storm cells. Maximize your fishing time with wind/isobar forecasts and sea surface temperature displays. Get NOAA marine forecasts and warning on demand. Enjoy retail roadside fuel pricing by location. And much more.

Only the Lowrance LWX-1 module comes with an exclusive selection of SIRIUS® subscription package options for wherever you live, fish or boat in the U.S. That includes nationwide, regional and local conditions/forecasts for inland natural lakes, reservoirs and rivers, to expansive Great Lakes and coastal waters.

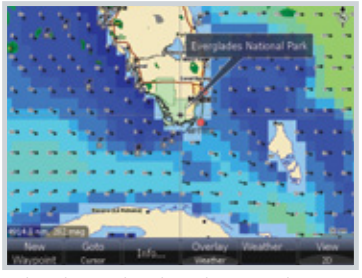
For details on SIRIUS® Inland Weather, plus Mariner Weather and Voyager Weather coastal packages, and SIRIUS® Satellite Radio, go to *www.sirius.com/marineweather*



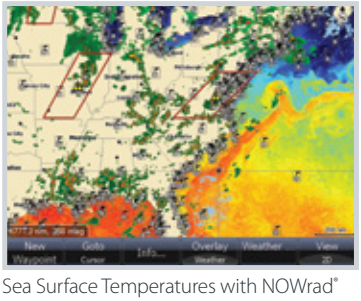
Sea Surface Temperatures with coastal NOWrad® weather radar

| Model | Part |
|---|---|
| LWX-1 | 000-0022-46 |

| Accessories | Part |
|---|---|
| NEP-2 Ethernet expansion port | 000-10029-001 |
| Ethernet Network Cables | |
| ETHEXT-6YL 6 ft./1.8 m | 000-0127-51 |
| ETHEXT-15YL 15 ft./4.5 m | 000-0127-29 |
| ETHEXT-25YL 25 ft./7.6 m | 000-0127-30 |
| ETHEXT-50YL 50 ft./15 m | 000-0127-37 |



Colored wave-height indicator with wave arrows



Sea Surface Temperatures with NOWrad® weather radar and severe-weather watch boxes

SIRIUS® subscription and fees are additional to LWX-1 receiver/antenna purchase, and restricted to U.S. billing addresses only.

# Broadband 3G™ Radar

NEW FOR 2011.5

The new Lowrance Broadband 3G™ Radar for HDS goes more than the extra nautical mile, now with 30% more range! Featuring Frequency Modulated Continuous Wave (FMCW) technology, Lowrance Broadband Radar innovation delivers superior target detection and viewing separation, ease of operation, and higher level of navigational peace-of-mind. With zero radiation hazard, it's the safest choice for more boats, including fishing, sports/cruising and sail boats.

## Broadband 3G™ Radar Innovation

**InstantOn™**
Solid-state technology produces an immediate, accurate on-screen image, without the lengthy warm-up delay of magnetron pulse radars.

**Low Power Consumption**
Ideal for boats of any size – sail, cruise or fish.

**Automatic Clarity**
Proven automatic harbor/marina and offshore modes.

**MARPA Target Tracking**
Track up to 10 targets. Requires a heading sensor.*

**Radar/Chart Overlay**
Merges radar with cartography in a detail-rich display.*

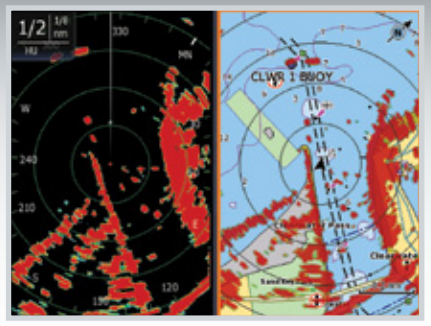
**Crystal-Clear Image**
Fantastic for tight maneuvers in marinas or in conditions of limited visibility.

**Quick Installation**
No reason to open the dome, no tune or zero-mile adjustment, and no radar-licensed technician required.

**Safe - Extremely Low Emissions**
Safer than any other radar currently on the market and emitting less radiation than a mobile phone – so it can be mounted anywhere.

**High-Speed Mode**
Select 36 RPM for almost instant updating at less than 2 nm.

**Dual Guard Zones**
Protect yourself from more angles.




Broadband Radar with radar chart overlay clearly defines objects inside and outside this channel pass. Contrasting radar with charting provides easy and quick comparison – any radar target not seen on the chart would normally be other vessels. Such detail makes Broadband Radar a great aid to navigation, especially when visibility is restricted at night or in poor weather.*

## Truly Different Technology

It's the first and only radiation-free radar that safely goes where no other has gone before … on more sailboats … on more cruisers … even on bass boats. In 2011, Lowrance Broadband Radar™ made its first Bassmaster Classic appearance, as competitors avoided hazards and saved time while navigating more than 70 miles through the Louisiana Delta.

| Model | Part |
|---|---|
| Broadband 3G™ Radar with 33 ft./10 m scanner cable and 6.5 ft./2 m Ethernet adapater | 000-10418-001 |

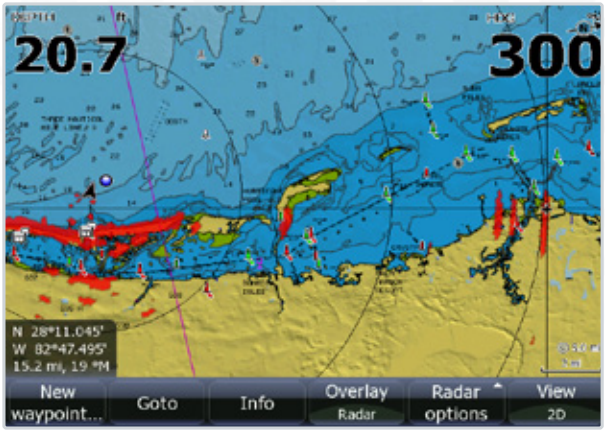
| Accessories for MARPA and Radar/ Chart Overlay display | Part |
|---|---|
| RC42 Rate Gyro Fluxgate Compass, includes 16 ft./5m SimNet NMEA 2000® cable | 22090195 |
| RI10 waterproof interface junction box provides heading input to NMEA 2000® network | AA010189 |
| Also required: Adapter Kit connects heading sensor to network, with SimNet-to-NMEA 2000® male adapter, SimNet-2 joiner, T connector | 000-0127-45 |

* Optional accessories required for feature except with HDS-5x – chart overlay/MARPA not available.

# New Broadband 3G™ Radar. Unrivaled target separation and detection near and farther – with 30% more range. The safest choice for more boats.

## Long Range

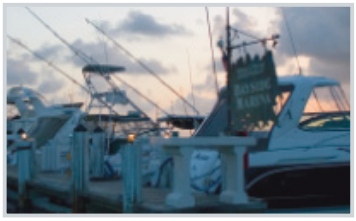
3G



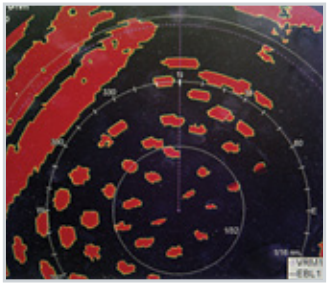

A medium-sized power station is easily seen at 15nm

## Harbor / Marina

- Boats and docks separated with superior target definition

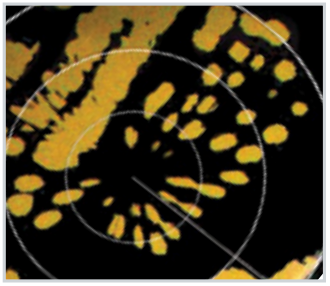


3G



Superior short-range target discrimination clearly shows docks, boats and moored vessels.

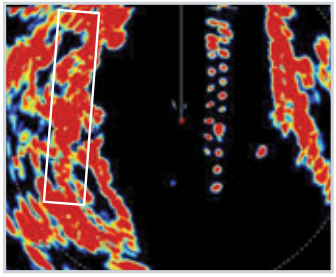
4kW Pulse Radar



Inferior separation of boats, docks and other features, further obscured by "main bang" (where it matters most) closest to the vessel.

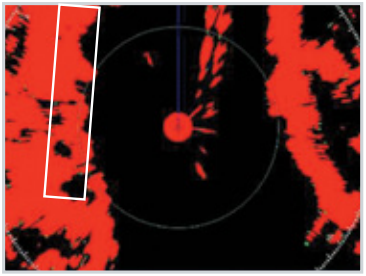
## Pile Moorings

3G



Broadband Radar™ clearly shows staggered mooring poles, differentiating moored vessel.

4kW Pulse Radar



Poles and vessel are less defined on pulse radar display.

# High Definition Digital Radar

Advanced Lowrance digital-signal processing in high-definition radar choices for HDS®chartplotter models. Fast, detailed radar detection of even small and distant targets with superb accuracy in dark, fog and rain alike. All feature Ethernet networking for onboard radar display sharing.

## HD Digital Radar Features

**MARPA Multi-Target Tracking**
Acquisition and precise tracking of up to 10 targets from ¼ nm display range and greater for an added measure of collision-avoidance safety.*

**Guard Zones**
Easy-to-set single or dual guard zones with alarms alert you to targets entering or leaving your designated zones –boats, land masses and buoys.

**Radar/Chart Overlay**
Interfaces charts with radar scans in a detail-rich display for greater navigation situational awareness.*

**Clearest Viewing**
Automatic Tune, Gain and Sea Clutter adjustment.

**Smart STC**
Digital Sensitivity Time Control curves reject clutter with setting of return strength/distance thresholds.

**Color Recognition**
Color palette choices for improved target distinction based on viewing conditions.

### LRA-1800 Radome

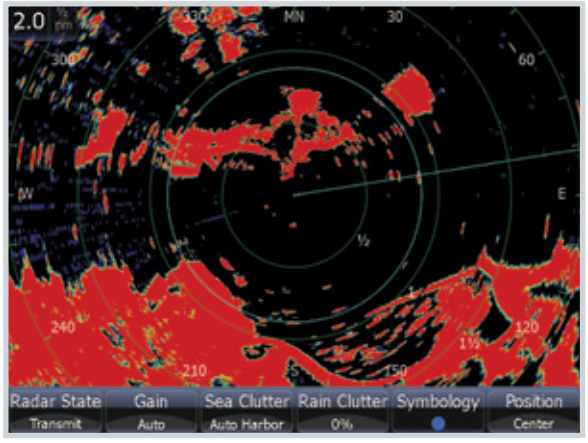
- 2 kW, 18in./46 cm scanner w/2 kW processor
- 5.2º horizontal beamwidth, 25º vertical beamwidth
- Up to 24 nm range

### LRA-2400 Radome

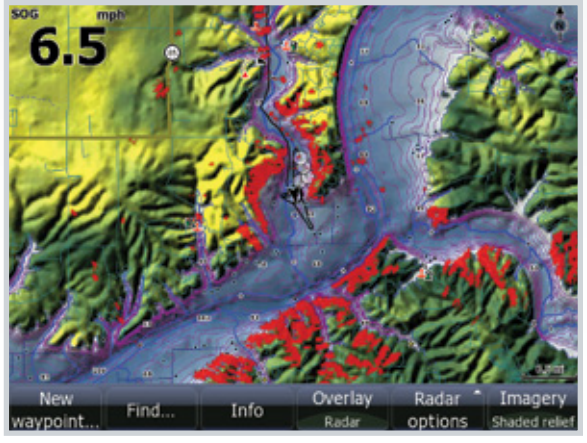
- 4 kW, 24 in./61 cm scanner w/4 kW processor
- 4º horizontal beamwidth, 25º vertical beamwidth
- Up to 48 nm range

### Simrad TX06L-1 Array for HDS

- 6 kW, 4 ft./1.28 m. scanner w/6 kW processor
- 1.8º horizontal beamwidth, 20º vertical beamwidth
- Up to 72 nm range




HDS high-definition radar display.




Radar chart overlay display.*

| Model | Part |
|---|---|
| LRA-1800 for HDS | 000-0121-38 |
| LRA-2400 for HDS | 000-0121-39 |
| TX06L-1 for HDS | 000-10366-000 |

| Accessories | Part |
|---|---|
| NMEA 2000® heading sensor option required for MARPA and Radar/Chart Overlay | |
| RC42 Rate Gyro Fluxgate Compass, includes 16 ft./5m SimNet NMEA 2000® cable and RI10 interface | 22090195 |
| Also required: Adapter Kit connects heading sensor to network, with SimNet-to-NMEA 2000® male adapter, SimNet-2 joiner, T connector | 000-0127-45 |

*Requires optional RC42 Rate Gyro Fluxgate Compass except HDS-5x – chart overlay/MARPA features not available.

MAKO
MERCURY

# SonicHub™ Marine Entertainment

## All-New Lowrance Technology to ROCK YOUR BOAT™

Waterproof Audio Hub

Made for iPod iPhone

Waterproof Docking Station

NMEA 2000 CERTIFIED

### The world's first marine-grade, waterproof audio hub/ docking system with the convenience of total control using any HDS® multifunction display.

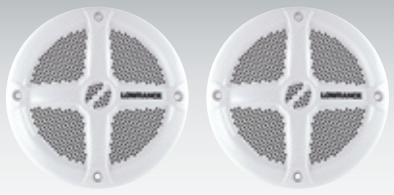
On the water, SonicHub™ provides a direct link to your music collection on your iPhone®, iPod®, iPod® touch and MP3s on a USB stick (up to 16GB), without a stereo head unit. You can also catch the latest weather, news, or listen to your favorite radio show with the built in AM/FM tuner (antenna sold separately).

Featuring a high-power, four-channel amplifier with 50W per channel, SonicHub™ delivers a sensational sound and audio content control experience. Easy to install, SonicHub™ integrates seamlessly via NMEA 2000® with Lowrance HDS® high-resolution, color displays featuring an intuitive and stylish graphical control interface.

Enjoy the pleasure of high-quality sound with an innovative system specifically designed for the challenging marine environment. The unique docking station provides a safe and waterproof casing, protecting your audio content device from the elements.

### Stylish speaker package

The Lowrance SonicHub™ system includes two stylish, waterproof marine-grade 6.5 in. high power 200W low-magnetic speakers for the ultimate in music on the move. Plus, with additional speaker set and subwoofer options, Lowrance SonicHub™ delivers maximum-performance mulitmedia audio for a minimal price.



| Model | Part |
|---|---|
| Lowrance SonicHub™ -- server, dock, two speakers, power/network connection cables | 000-10141-001 |
| NMEA 2000® starter kit (not required for existing networks) | 000-0124-69 |
| Lowrance speaker pack – two 6.5 in. waterproof marine speakers | 000-10142-001 |

ROCK
YOUR
BOAT™
sonichub™
marine audio server

# NMEA 2000® Networking

## Higher Standards of Performance for the NMEA Standard

Compatible with all qualified NMEA 2000® networks, Lowrance components set the standard for exceptional precision and real-time data delivery that's vital to navigation, onboard system tracking, and especially, outboard engine monitoring for improved fuel management.

### LGC-4000 5Hz High-Speed GPS Receiver

When connected with HDS®, this high-sensitivity external GPS receiver/antenna delivers phenomenal accuracy with five-time-per-second satellite updates for the most precise location readings on water – even at the highest boat speeds – with greatly improved satellite signal fix to virtually eliminate track wandering.

Compact 3 in./75 mm diameter module is just 1.3 in./ 33 mm high, easy to flush-mount and fully waterproof for all marine environments.

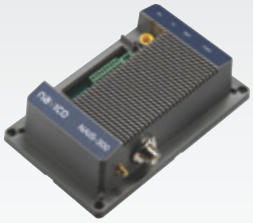
| Model | Part |
|---|---|
| LGC-4000 5Hz GPS Antenna | 000-0125-28 |

### Airmar® DST800 Thru-Hull Depth-Speed-Temperature Sensor

Compact, retractable plastic TRIDUCER® multisensor transmits digital depth-speed-temperature readings to any NMEA 2000® network display. Wide fore-aft 10º x 40º fan-shaped beam marks bottom depths to 330 ft./100 m even on high-deadrise hulls and sailboats when heeled. Features 235 kHz frequency to prevent cross-talk interference with other vessel echosounders. Single 2 in./ 51 mm hole thru-hull mounting.

| Model | Part |
|---|---|
| DST800 | 22098479 |

### NAIS-300 Class B AIS System



Greatly reduce the risk of collisions with the NAIS-300 AIS (Automatic Identification System) for your HDS chartplotter on the NMEA 2000® network. This Class B Transponder transmits your position and other information about your boat. In turn, you receive the same from other AIS-equipped vessels in the area, so you can view their position, identity and movement on your HDS display. A vital safety component for seeing and being seen, especially concerning congested ports and shipping lanes.

| Model | Part |
|---|---|
| NAIS-300L Class B AIS with NMEA 2000® interface and GPS antenna | 000-0135-04 |

### RC42 Rate Compass

NMEA 2000® heading sensor for use with Lowrance Broadband Radar™ and HD Digital radar to enable MARPA and radar/chart overlay for HDS chartplotter-equipped displays. Includes 16 ft./5 m SimNet NMEA 2000® cable and RI10 interface. Also requires connector Adaptor Kit.

| Model | Part |
|---|---|
| RC42 Rate Compass | 22090195 |
| Adaptor Kit | 00-0127-45 |

### NMEA 2000® Starter Kit

Easily start a NMEA 2000® onboard network, that's simple to expand for future sensor and display add-ons. Includes two T-connectors, 2 ft./0.6 m and 15 ft./ 4.5 m network cables, two terminating resistors and network power cable.

### LMF Multi-Function Gauges

NMEA 2000® in-dash digital gauge displays provide precision and versatility in real-time delivery of vessel and engine data, and are supported by the most extensive choices of affordable Lowrance EP smart sensors, including Fuel Flow for optimum fuel management economies.

- User-custom screens of up to four different data readings in analog graphics or alpha/numeric
- 13 customizable screen types, up to 16 page views in static, manual and timer screen rotation
- Displays Imperial or metric fuel economy readings using EP-60R Fuel Flow sensor and speed sensor: EP70R Speed, EP90R Pressure or speed over ground from GPS

### LMF-400 In-Dash Gauge

- 2.5 in./ 6.4 cm 132x132 pixel Film SuperTwist 4-level grayscale display, superb viewing in direct sunlight
- Advanced white LED screen backlighting
- Sealed and waterproof to IPX-7
- Fits standard 3-3/8 in./ 86 mm dia. hole

### LMF-200 In-Dash Gauge

- 1.4 in./ 3.6 cm 65x65 pixel Film SuperTwist 4-level grayscale display, superb viewing in direct sunlight
- Advanced white LED screen backlighting
- Sealed and waterproof to IPX-7
- Fits standard 2-1/8 in./55 mm dia. hole

| Model | Part |
|---|---|
| LMF-400 | 000-0049-541 |
| LMF-200 | 000-0049-551 |

## NMEA 2000® Network Sensors

Lowrance offers the most NMEA 2000® sensors for vital vessel data monitoring, each with a built-in "smart module" that's fully programmable for greater accuracy in dedicated system sensor data delivery.

### EP-60R Fuel Flow

Configurable, for gasoline only, one per engine. Sapphire bearing technology extends life and increases accuracy even at low flow. Outputs Fuel Flow, Fuel Used, Trip Fuel Used and Seasonal Fuel Used data to the network for fuel management.

### EP-65R Fluid Level

Compatible with standard U.S. and European sending units and a range of fluids: fuel; fresh, waste or black water; live well; and oil. Allows calibration for more accurate fluid level readings for boats with odd-shaped tanks.

### EP-80R Temperature

Configurable sensor for surface water, livewell, baitwell, cabin and engine room temp readings, -4º to 176ºF./-20ºC to 80ºC

### EP-80R TH Temperature

Configurable surface-water temp sensor for thru-hull installation.

| Model | Part |
|---|---|
| NMEA® 2000 Starter Kit | 000-0124-69 |
| EP-60R Fuel Flow sensor | 000-0120-39 |
| EP-65R Fluid Level sensor | 000-0120-41 |
| EP-70R Speed sensor | 000-0120-49 |
| EP-80R Temperature sensor | 000-0120-51 |
| EP-80R TH Thru-hull Temperature sensor | 000-0120-53 |
| EP-85R Storage Device | 000-0120-73 |
| EP-90R Pressure sensor | 000-0120-29 |
| Evinrude engine interface | 000-0120-62 |
| Yamaha engine interface | 000-0120-37 |

Suzuki engine interface available from Suzuki
Honda engine interface available from Honda

### EP-85R Storage Device

Accumulates and stores real-time engine data of fuel flow messages for up to three engines connected to a NMEA 2000® network for fuel range calculations and display.

### EP-90R Pressure

Outputs pitot speed or engine pressure readings – boost, coolant, fuel, engine or transmission oil. 100 psi max.

### EP-70R Speed

Paddle wheel for speed and distance display.

### Engine Interface Sensors

Cabled sensors for top outboard motor brands connect to NMEA 2000® networks for engine data display. Includes interface sensor, 15 ft./4.5 m cable and network bus T connector.

### HDS® Networks With Mercury®

HDS is fully compatible with the SmartCraft™ MercMonitor to display vital engine data – RPM, voltage, pressures, temperatures, fuel flow and more – for greater power efficiencies via the NMEA 2000® network. MercMonitor compatible with select Mercury, MerCruiser and Mariner engines.

# Performance HDS® Transducers

Lowrance HDS connects with a full range of high-sensitivity transducers to suit your boat, your preference and your expectations for superior performance in fishing and bottom sounding, at virtually any depth.

## Transom-Mount Skimmer® Transducers

High-speed Skimmer® transom-mount transducers slice through water without sonar-interfering bubbles for ideal sounding performance and cleanest sounder returns, even at speeds up to 61 kts/70 mph. Ideal for aluminium- and steel-hull vessels, each have a built-in sensor for water-temp readings, plus a unique "kick-up" transom-mount bracket helps prevent accidental strike damage.

### 83/200 kHz Skimmer®

Ideal for inland freshwater and in-shore coastal saltwater angling with up to 120º of wider fish detection coverage at 83 kHz operation. Also for shoot-thru sounding (without temp readings) on fiberglass hulls with proper installation.

### 50/200 kHz Skimmer®

For deeper salt water or downrigger tracking with built-in temp sensor. Not for shoot-thru-hull use.

### 83/200 kHz Skimmer® Portable

For go-anywhere HDS fishfinder portablilty with easy-mounting suction-cup bracket, built-in temp sensor and up to 120º coverage. Not for high-speed use.

### 83/200 kHz Pod Transducers

Expanded underwater coverage with the versatility of trolling motor mount, or shoot-thru operation on solid fiberglass hulls. Contour curve top and slot for hose clamp simplifies motor-mounting. Available with or without built-in temp sensor.

# Deep-Sounding HDS Transducers

Lowrance HDS is fully compatible with a wide selection of Airmar® transducers made for ultimate deep-sounding performance while reducing or eliminating drag.

### P79 In-Hull – 50/200 kHz, 600W RMS

Easily adjusts to hull deadrise angles up to 22º to ensure the beam is correctly oriented for accurate depth readings. The base is bonded to the hull and filled with liquid, and the transducer then attaches to the base with a twist lock. The sound waves travel more efficiently though the liquid, giving the best possible performance.

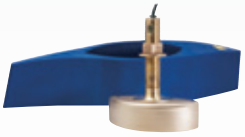
### P319 Thru-Hull – 50/200 kHz, 600W RMS

Features a 50/200 kHz, dual-frequency, single-ceramic element in a low-profile housing. Plastic, bronze or stainless-steel models are available to accommodate all hull types with a flush design that minimizes drag.

### B164 Thru-Hull – 50/200 kHz, 1 kW RMS

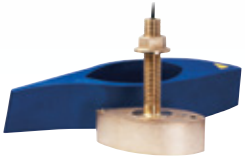
Tilted Element™ technology lets you step up to higher 1kW power without a fairing in this 20° tilt transducer. Flush mounted with less than .25"/6.35 mm hull exposure, it can sit on trailer rollers and bunks with no damage at all. Perfect for fast, trailered tournament sport fishing vessels who cannot have a high-performance fairing, the internal tilted ceramic array focuses the perfect vertical beam with maximum energy directly below your boat.

### B258 Thru-Hull – 50/200 kHz, 1 kW RMS



Excellent sportfishing performance for a moderately priced 1 kW transducer. The economical, four-ceramic element design provides deep water sounding with superb target and bottom definition. The Airmar® high-performance fairing block is recommended for the best possible results.

### B260 Thru-Hull – 50/200 kHz, 1 kW RMS



One of the best high-performing 1 kW bronze thru-hull for 300 W to 1 kW fishfinders. Separate 50 kHz and 200 kHz elements for unparalleled deep-water performance and unmatched bottom and water column detail. Provides crisp image detail for fishing shelves, intricate bottom structures and wrecks.

### M260 Thru-Hull – 50/200 kHz, 1 kW RMS

A high performance model for 300 W-1 kW fishfinders with separate 50 kHz and 200 kHz elements for excellent deep-water performance and exceptional bottom and water column detail. Designed for bow stern or port starboard in-hull mounting, the narrow beam provides crisp image detail especially suited for fishing shelves, intricate bottom structures and wrecks with precise readings even at boat speeds above 20 knots.

### B60 In-Hull – 50/200 kHz, 600W RMS

The bronze B60-20º tilt provides a vertical beam without a fairing. An internal ceramic element is tilted to provide built-in deadrise compensation providing excellent sonar returns for more accurate depth readings. The nearly flush housing minimizes drag.

### B744 Thru-Hull – 50/200 kHz, 600W RMS

Drill only one hole in your boat with this TRIDUCER® multisensor model that features depth, speed, and temperature in a single housing. Single ceramic 50/200 kHz dual-frequency element for excellent shallow water sonar detail and deep water bottom tracking. Extended stem length provides extra height for steep deadrise vessels or thick cored hulls.

### TM260 Transom Mount – 50/200 kHz, 1 kW RMS

Powerful yet sensitive, the new TM260 offers the performance of the B260 in a high-speed broadband transom mount for crystal-clear imaging. The large 200 kHz element plus the seven-element 50 kHz array deliver excellence in suspended bait and game fish separation, as well as marking fish holding tight on the bottom. Easy to install with a streamlined designed for high-speed sounding up to 30 knots/35 mph.

### DST-800 Thru-Hull – 235 kHz TRIDUCER®

Transmits digital depth, speed and temp to all networked NMEA 2000® displays.

| Airmar® HDS Transducers* | Part |
|---|---|
| TM260 Plastic 50/200 kHz high-speed transom mount with temp sensor, 19/6° beamwidths | 000-10116-001 |
| P319 Plastic 50/200 kHz low profile bolt-thru-hull with temp sensor, 45/12º beamwidths | 000-0136-02 |
| P79 Plastic 50/200 kHz shoot-thru-hull w/o temp sensor, 45/12º beamwidths | 000-0136-03 |
| B60 Bronze 50/200 kHz low profile bolt-thru-hull with temp sensor, 45/12º beamwidths and 20º tilt | 000-00021-001 |
| B744V Bronze 50/200 kHz bolt-thru-hull with speed and temp sensors, 45/12º beamwidths and high-speed fairing block | 000-0136-05 |
| B164 Bronze 50/200 kHz low profile 1 kW bolt-thru-hull with temp sensor, 22/20º - 6/6º array beamwidths and 20º tilt | 000-10247-001 |
| B258 Bronze 50/200 kHz bolt-thru-hull with temp sensor, 15/21º - 3/5º array beamwidths and high-speed fairing block | 000-0136-00 |
| B260 Bronze 50/200 kHz bolt-thru-hull with temp sensor, 19/6º beamwidths and high-speed fairing block | 000-0106-82 |
| M260 Plastic 50/200 kHz shoot-thru-hull tank-type, 19/6º beamwidths | 000-0106-91 |
| DST-800 Plastic 235 kHz retractable bolt-thru-hull NMEA 2000® depth/speed/temp triducer | 22098479 |

*with 39 ft./ 12 m cables

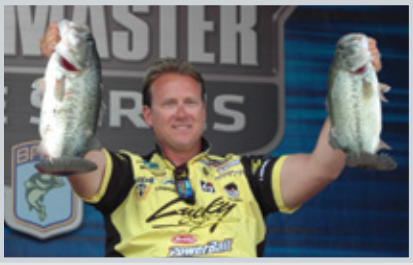
# Wired to Win – Lowrance Pros

## Follow the Leader in Fishfinding

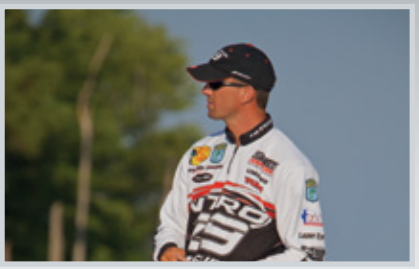
### See us on Stage …

The No. 1 choice – year after year – on bass- and walleye-tournament circuits, Lowrance wins more events and delivers more top-place finishes than any other marine-electronics company.

### Just a few of our Lowrance Pro Team members include ….

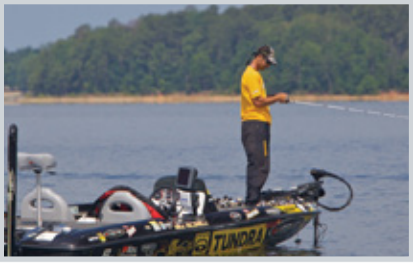


**Skeet Reese**
B.A.S.S. Elite angler, six-time B.A.S.S. tournament winner, Bassmaster Classic Champion

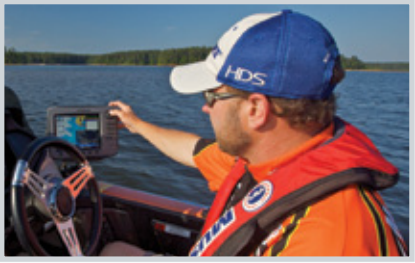


**Edwin Evers**
B.A.S.S. Elite and FLW Tour angler and five-time B.A.S.S. tournament winner

**Gary Parsons**
Three-time "Angler Of The Year" in three professional walleye tournament circuits



**Michael Iaconelli**
B.A.S.S. Elite and FLW angler, six-time B.A.S.S. tournament winner, Bassmaster Classic Champion



**Mike McClelland**
B.A.S.S. Elite angler and six-time B.A.S.S. tournament winner

**Keith Kavajecz**
Professional walleye tournament champion and 18-time qualifier.

**Greg Hackney**
B.A.S.S. Elite and FLW angler, three-time B.A.S.S. tournament winner and FLW Cup Champion

**Tommy Biffle**
B.A.S.S. Elite and FLW Tour angler and five-time B.A.S.S. tournament winner

**Chris Gilman**
2010 FLW Walleye Tour Champion

For a complete listing of the Lowrance Pro Team, see *www.lowrance.com*

## See us on Tour …

Lowrance continues as a leading sponsor of national fishing tournaments that test our electronics to the limits – the ultimate proving ground for better performance and reliability.

## See us on TV and Online …

Seeing is believing. Whether it's online or on your TV, watch America's favorite and most successful fishing personalities demonstrate why Lowrance is the proven leader for on-the-water success.

In addition to our website, *www.lowrance.com*, you can follow us online with event and video updates on Facebook.

Find Us on Facebook

Bill Dance Outdoors on Versus

One More Cast With Shaw Grigsby on Versus

Saltwater Experience on Versus

George Poveromo's World of Saltwater Fishing

The Next Bite on Versus

Wired2Fish on Versus

| HDS Airmar Transducers | | Part |
|---|---|---|
| P319 | Plastic low-profile thru-hull 50/200 kHz transducer with temp – 45/12° beamwidths, 12 m/39 ft. cable | 000-0136-02 |
| P79 | Plastic in-hull 50/200 kHz transducer, no temp – 45/12° beamwidths, 12 m/39 ft. cable | 000-0136-03 |
| TM260 | Plastic transom-mount 50/200 kHz 1kW transducer with temp – 19/6° beamwidths, 12 m/39 ft. cable | 000-10116-001 |
| B60 | Bronze thru-hull 50/200 kHz with temp – 45/12° beamwidths and 20° tilt , 12 m/39 ft. cable | 000-00021-001 |
| B744V | Bronze thru-hull 50/200 kHz with temp/speed and high-speed fairing block – 45/12° beamwidths 12 m/39 ft. cable | 000-0136-05 |
| B164 | Bronze thru-hull 50/200 kHz 1kW transducer with temp – 22 /20°+ 6/6° array beamwidths and 20° tilt, 12 m/39 ft. cable | 000-10247-001 |
| B258 | Bronze thru-hull 50/200 kHz transducer with temp and high-speed fairing block – 15/21° + 3/5° array beamwidths, 12m/39 ft. cable | 000-0136-00 |
| B260 | Bronze thru-hull 50/200 kHz transducer with temp and high-speed fairing block – 19/6° beamwidths, 12 m /39 ft. cable | 000-0106-82 |
| M260 In-hull Tank | Plastic in-hull 50/200 kHz transducer tank kit, no temp – 19/6° beamwidths, 12 m/39 ft. cable | 000-0106-91 |
| DST-800 | Plastic retractable thru-hull 235 kHz triducer, NMEA 2000® digital depth/speed/temp displays | 22098479 |
| **HDS Lowrance Blue Connector Tranducers** | | **Part** |
| HST-WSBL | 83/200 kHz transom-mount high-speed, low-profile Skimmer® transducer with built-in temp | 000-0106-72 |
| HS-WSBL | 83/200 kHz transom-mount high-speed, low-profile Skimmer® transducer, no temp | 000-0106-71 |
| PDRT-WBL | 83/200kHz trolling motor-mount or shoot-thru-hull pod transducer with remote temp | 000-0106-89 |
| PD-WBL | 83/200kHz trolling motor-mount or shoot-thru-hull pod transducer, no temp | 000-0106-73 |
| PDT-WBL | 83/200kHz trolling motor-mount pod transducer with built-in depth | 000-0106-74 |
| HST-DFSBL | 50/200kHz transom-mount high-speed, low-profile Skimmer® transducer with built-in temp | 000-0106-77 |
| TMB-S | Trolling motor-mount bracket for high-speed, low-profile Skimmer® transducer | 000-0051-45 |
| Suction Cup Kit | Suction cup mount for high-speed, low-profile Skimmer® transducer | 000-0051-52 |
| HS-WS-SS Mounting Kit | Stainless steel bracket for 83/200 kHz Skimmer® transducer transom-mounting | 000-0099-06 |
| 50/200 kHz Mounting Kit | Bracket for 50/200 kHz Skimmer® transducer transom-mounting | 000-10392-001 |
| TS-1BL | Temperature sensor (non-NMEA 2000® networked) | 000-0099-95 |
| SP-BL | Transom-mount paddlewheel speed sensor (non-NMEA 2000® networked) | 000-0099-96 |
| ST-TBL | Transom mount paddlewheel speed/temp sensor (non-NMEA 2000® networked) | 000-0099-97 |
| PTI-WBL | Ice transducer | 000-0106-94 |
| XT-12BL | 3.6 m/12 ft. blue connector transducer extension cable | 000-0099-93 |
| XT-20BL | 6 m/20 ft. blue transducer extension cable | 000-0099-94 |
| SB-9BL | Switch box to connect two (2) blue connector transducers to one echosounder | 000-0046-26 |
| SB-10BL | Switch box to connect one blue connector transducers to two (2) echosounders | 000-0046-27 |

| StructureScan™ Sonar Imaging | | Part |
|---|---|---|
| SST-DFSBLK | StructureScan Skimmer® imaging transducer with transom-mount stainless steel bracket | 000-00099-007 |
| LSS-1 Box | StructureScan™ Sonar Imaging LSS-1 module only, no transducer | 000-00099-002 |
| THSST-DF | Plastic 455/800 kHz thru-hull StructureScan imaging transducer with fairing block | 000-00099-003 |
| Bronze Thru-hull XDCR | Bronze 455/800 kHz thru-hull StructureScan™ imaging transducer with fairing block | 000-10364-001 |
| Dual Bronze XDCR kit w/ Y cable | Two (2) bronze 455/800 kHz thru-hull StructureScan™ imaging transducers (000-10364-001) , two (2) fairing blocks and Y cable (000-10202-001) | 000-10365-001 |
| LSS-TDY | LSS-1 Y cable, connects two (2) StructureScan™ transducers to one LSS-1 module | 000-10202-001 |
| SS-TMB | Trolling motor-mount bracket for Skimmer® imaging transducer | 000-00099-004 |
| SS-BRK-SS | Stainless steel transom-mount bracket for Skimmer® imaging transducer | 000-00099-005 |
| 10EX-BLK | 3 m/10 ft., 9-pin extension cable for imaging transducer | 000-00099-006 |
| Fairing Block B TH XDCR | Fairing block for StructureScan™ bronze thru-hull imaging transducer | 000-10393-001 |

**Contact your Lowrance retailer for these and more Lowrance marine electronics accessories.**

| Ethernet Networking | | Part |
|---|---|---|
| NEP-2 | Network Expansion Port - 12 vDC powered hub expands Ethernet network connectivity for multiple displays and modules | 000-10029-001 |
| ETHEXT-6YL | 1.82 m/6 ft. Ethernet network cable | 000-0127-51 |
| ETHEXT-15YL | 4.5 m/15 ft. Ethernet network cable | 000-0127-29 |
| ETHEXT-25YL | 7.6 m/25 ft. Ethernet network cable | 000-0127-30 |
| ETHEXT-50YL | 15 m/50 ft. Ethernet network cable | 000-0127-37 |
| ETHEXTRJ45-6INY | RJ45 to yellow Ethernet adaptor cable – 152 mm/6 in. | 000-0127-55 |
| ETHEXTRJ45-2MTY | RJ45 to yellow Ethernet adaptor cable - 2 m/6.6 ft. | 000-0127-56 |
| **NMEA 2000® Networking** | | **Part** |
| NMEA 2000® starter kit | Backbone required to install one or more NMEA 2000® sensors; includes power cable, 0.6 m/2 ft. cable, 4.6 m/15 ft. cable, two (2) network T-connectors, one each male and female network terminators | 000-0124-69 |
| N2K-T-RD | NMEA 2000® network T-connector for connection of display or sensor devices | 000-0119-79 |
| N2KEXT-2RD | 0.6 m/2 ft. NMEA 2000® cable for network extension or connection to additional display | 000-0119-88 |
| N2KEXT-6RD | 6ft/1.82m NMEA 2000® cable for network extension or connection to additional display | 000-0127-53 |
| N2KEXT-15RD | 15ft/4.55m NMEA 2000® cable for network extension or connection to additional display | 000-0119-86 |
| N2KEXT-25RD | 25ft/7.58m NMEA 2000® cable for network backbone extension only | 000-0119-83 |
| N2K-PWR-RD | NMEA 2000® power node (cable + T connector); to upgrade LMS/LCX/GlobalMap series network to HDS system | 000-0119-75 |
| NAC-MRD2MBL | Adapter cable to enable connection of a blue NMEA 2000® device to a red or black network | 000-0127-04 |
| NAC-FRD2FBL | Adapter cable to enable connection of a red or black NMEA 2000® device to a blue network | 000-0127-05 |
| SimNet to N2K Adaptor Kit | Connects Simrad RC42 heading sensor to network; includes Simnet-to-NMEA 2000® male adapter, Simnet-2 Joiner, T-connector. | 000-0127-45 |
| USB Interface Cable | USB to NMEA 2000® Interface Cable | 000-00020-002 |
| TR-120-KIT | Set of one male and one female NMEA 2000® terminators | 000-0127-52 |
| LGC-4000 Spat | Pole mount spat/cone for high-speed LGC-4000 5Hz GPS antenna | 000-10169-001 |

| Broadband Radar | | Part |
|---|---|---|
| RI11 | For BR24 only, Interface Junction Box for waterproof installation; also provides heading input for systems via NMEA 0183 | AA010204 |
| RI10 | For BR24 only, Interface Junction Box for waterproof installation; provides heading input for NMEA 2000® systems | AA010189 |
| RI11 utility cable | Utility cable, 2m, LT12 connector - used with RI11 for heading | AA010070 |
| 10m BR24 Ext Cable | 10 m/33 ft. Broadband Radar radar cable | AA010211 |
| 20m BR24 Ext Cable | 20 m /66 ft. Broadband Radar radar cable | AA010212 |
| 30m BR24 Ext Cable | 30 m/99 ft. Broadband Radar radar cable | AA010213 |
| SC20 | Mast mount kit | SC20 |
| LMB-A1 | Self-levelling radar backstay (aft) mount | LMB-A1 |
| PT2001 | PowerTower – 350 mm/14 in. white composite | PT2001 |
| PT2004 | PowerTower – 150 mm/6 in. white composite | PT2004 |
| PT3010 | 4° wedge for composite and aluminium power tower | PT3010 |
| **HD Digital Radar** | | **Part** |
| | Ethernet RJ45 male / male cable 2 m /6.5 ft. | AA010080 |
| | Ethernet joiner- RJ45 female/female | AA010083 |
| | Ethernet RJ45 field termination kit | AA010085 |
| SC12 | Mast mount kit for 2 kW 18 in. radome | SC12 |
| SC21 | Mast mount kit for 4 kW 24in. radome (requires 19042) | SC21 |
| LMB-A2 | Self-levelling radar backstay (aft) mount for 2 kW 18 in. radome | LMB-A2 |
| PT2002 | PowerTower for 2 kW 18 in. radome - 350mm /14 in. white composite | PT2002 |
| PT2005 | PowerTower for 2 kW 18 in. / 4 kW 24 in. radome (4 kW requires 19042) - 150mm /6 in. white composite | PT2005 |
| 19042 | Adapter plate for 4 kW 24 in. radome | 19042 |

| SonicHub Entertainment | | Part |
|---|---|---|
| Lowrance speaker pack | Two (2) 6.5", 4 Ohm, 200W low-magnetic marine grade waterproof speakers | 000-10142-001 |

# New Elite™ DSI DownScan Imaging™ Series

## Go Beyond Sonar. DSI Technology Reveals What's Really Down There.

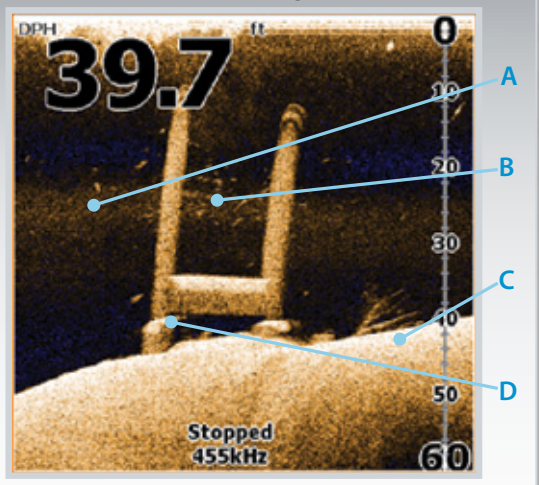
Clearly, DownScan Imaging™ – DSI – is the newest and better way to view and find prime locations easily, effectively, and affordably! Enjoy superior DownScan Imaging™ performance – with greater resolution and better operation at speed – all for a new, affordable price.

### Picture-Perfect DSI Fishfinding and More

- Exclusive Lowrance DSI advancement displays crystal-clear photo-like views directly below the boat; no interpretation needed
- Selectable 455 kHz sounding for wider and deeper coverage, with 800 kHz for enhanced viewing of targeted locations
- Transmits 4,000W peak-to-peak/500W RMS power for depths to 250 ft./76 m
- Impressive bottom viewing at boat speeds up to 50 mph/44 kts. (8 mph/7 kts and less for optimum imaging)
- Sleek new high-speed, transom-mount Skimmer® DSI imaging transducer has dedicated down-looking crystal and built-in temp sensor
- Multiple choices of display color palettes to suit viewing preferences and water/light conditions
- Automatic fine-tuning for the best imaging possible, plus Advanced User Mode for full manual control
- TrackBack™ feature for immediate scroll-back of imaging history to review covered water and pinpoint spots (saves time and fuel trying to re-trace your path)
- Plus, automatic scroll-back on chartplotter trail in TrackBack™; one-button waypoint setting

More performance features page 43

Actual on-the-water DSI recording.

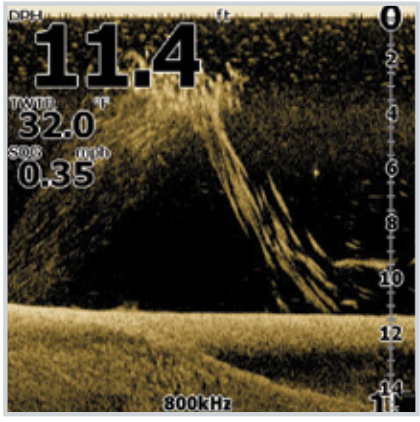



**A. Thermoclines Exposed**
DSI clearly shows the boundary layer between lower, colder water, and upper, warmer, oxygen-rich zone where fish prefer to hang.

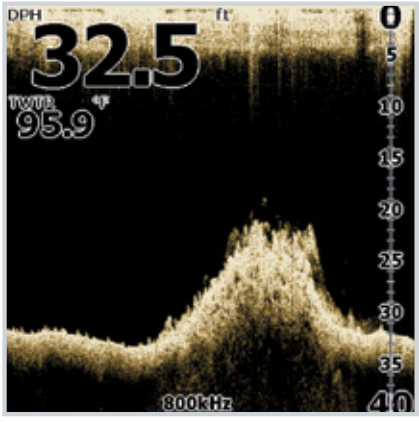
**B. Fish Truly Revealed**
You won't miss a fish. DSI imaging vividly reveals fish and baitfish schools separated from structure, displayed as clearly-defined targets.

**C. Bottoms Disclosed**
With DSI, you easily see the difference between hard and soft bottoms, as well as mark fish and structure on or near the bottom.

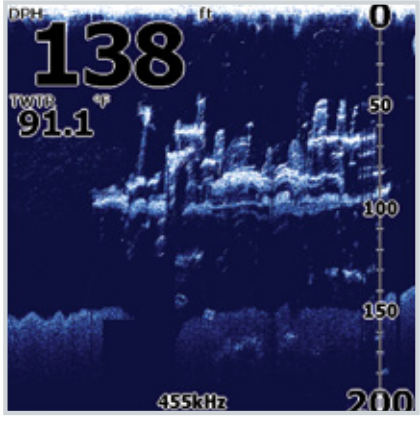
**D. Structure Uncovered**
No guessing, no interpretation; DSI shows you photo-like views of underwater structure, like bridge pilings, rocks, wrecks, channels, drop-offs and more!



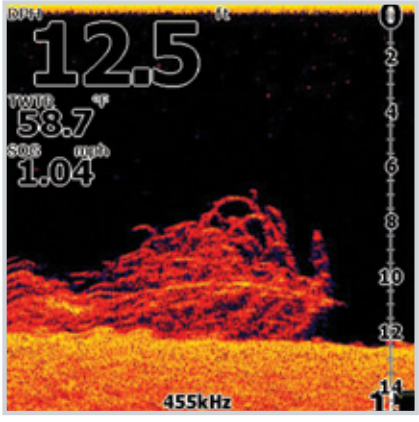

Freshwater baitfish on the run.




Gamefish hovering above saltwater structure.




Artificial (ship) reef near Key West, Fla.




Sunken evergreen tree structure.

*"After just one day on the water, I'm convinced. DownScan Imaging goes way beyond traditional sonar! When you see a tree. You can actually see the limbs and the fish suspended in them! You gotta see it to believe it."*
– Bill Dance,
Host of *Bill Dance Outdoors*

# New Mark™ DSI DownScan Imaging™ Fishfinder

Elite-5 DSI

## Awarded Best Electronics

In new products competition at the 2010 International Convention of Allied Sportfishing Trades (ICAST) exhibition.

ICAST 2010 New Product Showcase WINNER

Elite-5x DSI

Mark-5x DSI

Mark-5x DSI Portable

## Go Beyond Sonar. The Rewards Are Perfectly Black and White.

Presenting the new Mark DSI featuring remarkable Lowrance DownScan Imaging™ technology. You get the exclusive DSI performance advantages with the amazing affordability of a high-resolution, direct-sunlight-viewable Lowrance gray scale display.

### Elite-5 DSI

**Imaging Fishfinder/GPS Chartplotter**

Exclusive Lowrance DownScan Imaging™ fish-finding technology features plus built-in 16-channel navigation precision. Built-in enhanced U.S. lake and coastal cartography with shoreline and depth contour detail. Fully compatible with Navionics® Gold and other mapping options.

**000-10236-001**

### Elite-5 DSI GOLD

**Imaging Fishfinder/GPS Chartplotter**

Elite-5 DSI bundled with a special-issue Navionics® microSD chartcard with U.S. and Canada coastal detail, plus Great Lakes and major Canadian lakes coverage.

**000-10245-001**

### Elite-5x DSI

**Imaging Fishfinder**

Dedicated standalone Lowrance color imaging fishfinding.

**000-10235-001**

### Mark-5x DSI

**Imaging Fishfinder**

High-detail 5 in./12.7 cm, 480x480 pixel, 16-level gray scale Film SuperTwist display and unique high-speed Skimmer® DSI transducer for 455/800 kHz imaging sounding.

**000-10233-001**

### Mark-5x DSI Portable

**Imaging Fishfinder**

Mark-5X DSI in a complete, portable, go-anywhere package. Includes waterproof soft-sided zippered case with sturdy mounting base, Skimmer® DSI transducer with suction-cup mount, and battery power pack for eight D-cell batteries (batteries purchased separately).

**000-10234-001**

Page 50 for Accessories

# Elite™ Fishfinder/Chartplotter Series

## Lowrance Elite™ Series: Loads of Color, Sonar and Navigation Performance, and Value.

Innovation, technology and affordability merge in the exceptional color Elite series of easy-to-use and affordable marine electronics – each packed with legendary Lowrance features.

### Super-Bright Elite Color Displays

- True 5 in./ 12.7 cm, 480x480 pixel detail with superior contrast and resolutions
- Exclusive SolarMAX™ 256-color TFT display brilliance and viewing at widest angles and in bright sunlight
- Adjustable screen and keypad backlight enhances visibility, day or night

### Lowrance Fishfinder Performance

(Elite-5x / Elite-5)

- Transmits 4,000W peak-to-peak/500W RMS power for depths to 1,000 ft./305 m
- Dual-frequency 83/200 kHz Skimmer® transom-mount transducer with internal temp sensor and up to 120º of wider sonar coverage
- Unique TrackBack™ scroll-back feature to review multiple pages of sonar history

### Precision GPS Chartplotter

(Elite-5 / Elite-5M)

- Internal, precision 16-channel GPS antenna; external antenna option
- Built-in basemap with U.S. inland and coastal waters detail
- Waterproof microSD memory card slot for optional cartography including Navionics® Gold
- Saves up to 3,000 waypoints, 100 routes/100 waypoints per route and 100 retraceable plot trails/up to 10,000 points per trail

Page 50 for Accessories

## Elite-5

### Fishfinder/GPS Chartplotter

Power and performance unite with Lowrance digital fishfinder features and navigation precision, featuring built-in enhanced U.S. lake and coastal cartography with shoreline and depth contour detail. Fully compatible with Navionics® Gold and other mapping options.

**000-00104-001**

## Elite-5 GOLD

### Fishfinder/GPS Chartplotter

Elite-5 bundled with a special-issue Navionics® Gold microSD chartcard with U.S. and Canada coastal detail, plus Great Lakes and major Canadian lakes coverage.

**000-00144-001**

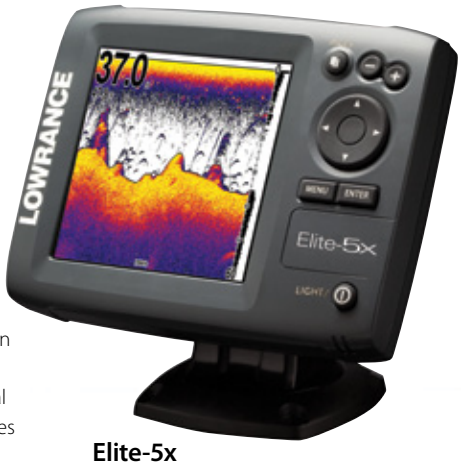
**Elite-5**

## Elite-5x

### Fishfinder

Dedicated standalone Lowrance digital fish-finding.

**000-00102-001**




**Elite-5x**

## Elite-5m GOLD

### Chartplotter

Dedicated standalone Lowrance GPS navigation bundled with a special-issue Navionics® Gold microSD chartcard with U.S. and Canada coastal detail, plus Great Lakes and major Canadian lakes coverage.

**000-00103-001**

**Elite-5m GOLD**

Navionics® charting shown.

# Mark™ Fishfinder Series

## Mark™ Series Fishfinders
## A Performance Dream-Come-True for the Value-Conscious.

Powerful Lowrance performance, yet so easy to use and afford. Mark fishfinders are specially optimized for excellent sounding with turn-on-and-fish automatic operation ease, while an Advanced User Mode allows manual tuning for special water conditions.

### All Include:

- High-detail 5 in./12.7 cm, 480x480 pixel, 16-level gray scale Film SuperTwist display viewable in direct sunlight, plus adjustable screen/keypad backlighting
- Keyboard designed for one-hand control
- Special case/base design for easy one-hand tilt/swivel view adjustment, removal and re-mount
- Simplified installation, plus uniplug 1/4-turn connectors for ease and solid connects in repeated removals and hook-ups

## Mark-5x Pro

### Fishfinder

- Dual-frequency 83/200 kHz Skimmer® transom-mount transducer with built-in temp sensor and up to 120º of wider sonar coverage
- 2,400 W peak-to-peak/300W RMS power; depths to 1,000 ft./305 m
- TrackBack™ scroll-back feature to review multiple pages of echosounder history

**000-00175-001**

**Mark-5x Pro**

## Mark-5x

### Fishfinder

- High-speed 200 kHz Skimmer® transom-mount transducer with built-in temp sensor and up to 60º of fish-finding coverage
- 1,600 W peak-to-peak/200W RMS power; depths to 800 ft./244 m
- TrackBack™ scroll-back feature to review multiple pages of echosounder history

**000-00100-001**

**Mark-5x**

## Mark-5x Portable

### Fishfinder

Mark-5x with the same portable package features as the Mark-5x DSI Portable above.

**000-00101-001**

## All Elite and Mark Models (Including DSI Versions) Feature:

Simplified text + icon menu interface for user-friendlier control.

True, 5 in/12.7 cm, 480x480 pixel viewing detail.

Front-forward internal 16-channel GPS chartplotter antenna.

Chartplotter waterproof microSD slot for optional Navionics® chartcard display.

Streamlined new keypad design improves operation control with one-hand ease.

Chartplotter coax input for optional external GPS chartplotter antenna.

Flush-mounts in dash with threaded inserts and fits previous Lowrance and Eagle® cut-out for replacement upgrade ease.

New, quarter-turn uniplug connectors are compatible with previous Lowrance and Eagle® uniplug models for upgrade installation.

- Power/transducer uniplug port.
- Uniplug port for added temp, speed or NMEA 0183 sensor for VHF DSC and autopilot options.

New tilt and swivel mounting system adjusts to viewing angles with rock-steady viewing in rough water.

- Easy-to-install low-profile base with convenient cable routing access.
- Head unit with molded handle easily snaps on/off base with one hand.

# M/X Series Fishfinders/GPS

## Better Fishfinding Has Never Been Easier, or More Easily Affordable.

### NEW X-4 Pro

**High-Detail, Dual-Search 83/200 kHz Fishfinder**

The versatile new Lowrance X-4 Pro 83/200 kHz fishfinder for more productive shallow and deepwater fishfinding coverage, with superb target detail and separation. Packed with an advanced receiver design and a wealth of Lowrance features, the new X-4 Pro is easy-to-use and easy-to-afford.

- Sunlight-viewable 4 in./10.2 cm Film SuperTwist™ LCD display
- Detailed 240V x 160H pixel resolution with 4-level gray scale
- 83/200 kHz dual-search Skimmer® transom-mount transducer with temp sensor and up to 120° expanded fish detection coverage – operates at boat speeds up to 70 mph/61 kts
- 1,500W peak-to-peak/188W RMS power with depths to 1,000 ft./305 m @83 kHz.
- Automatic ASP™ (Advanced Signal Processing), GRAYLINE®, Advanced Fish I.D.™, FishTrack™ and more feature

**000-10229-001**

### NEW X-4

**High-Detail 200 kHz Fishfinder**

For simple, but effective, fishfinding with incredible Lowrance features and excellent, detailed viewing, you just can't beat the new X-4 for higher performance at a lower price!

- Sunlight-viewable 4 in./10.2 cm Film SuperTwist™ LCD display
- Detailed 240V x 160H pixel resolution with 4-level gray scale
- High-speed 200 kHz Skimmer® transom-mount transducer w/temp sensor and up to 60° of fish detection coverage – operates at boat speeds up to 70 mph/61 kts
- 800W peak-to-peak/100W RMS power – depths to 600 ft./183 m
- Automatic ASP™, GRAYLINE®, Advanced Fish I.D.™, FishTrack™ and more features

**000-10227-001**

### NEW X-4 Portable

**200 kHz Fishfinder**

Great for go-anywhere fishfinding ease on kayaks, row boats, or virtually any watercraft that floats.

The X-4 Portable features the X-4 packed inside a waterproof soft-sided zippered case with sturdy mounting base, Skimmer® 200 kHz transducer with suction-cup mounting* and battery power pack for eight D-cell batteries (batteries not included).

* not designed for high-speed use

**000-10228-001**

# Color Compacts with Proven Performance

## M68c S/Map Fishfinder/Chartplotter with Brighter Color Viewing

A favorite for smaller boats and budgets, with precision Lowrance sonar and GPS navigation performance with brilliant 256-color display for sunlight viewing.

- Enhanced 3.5 in./8.9 cm, diag. 320Vx240H pixel, active matrix TFT display renders exceptional viewing detail even in bright sunlight
- White LED backlit screen and keypad
- 800 watts peak-to-peak power/100 watts RMS, depths to 600 ft./183 m
- High-speed 200 kHz Skimmer® transducer with built-in temp sensor and up to 60º of wide fish detection
- Automatic ASP™, COLORLINE®, HyperScroll™, FasTrack™ and more features
- Precision GPS receiver with built-in antenna
- Saves up to 1,000 waypoints to mark fishing spots with a choice of 42 icons
- Saves up to 100 retraceable plot trails

**000-0116-032**

M68c S/Map

## M68c S/Map Deep Water

Same M68c S/Map features with special Skimmer® transducer with temp sensor for deeper salt water or downrigger tracking to depths of 800 ft./244 m

**000-0116-072**

## X67c Fishfinder with Brighter Color Viewing

Enjoy brilliant color sonar performance, unique for incredible visibility in sunlight, at an attractive price.

- Enhanced 3.5 in./8.9 cm, diag. 320Vx240H pixel, active matrix TFT display renders exceptional viewing detail even in bright sunlight
- White LED backlit screen and keypad
- 800 watts peak-to-peak power/100 watts RMS, depths to 600 ft./183 m
- High-speed 200kHz Skimmer® transducer with built-in temp sensor and up to 60º of wide fish detection
- Automatic ASP™, COLORLINE®, HyperScroll™, FasTrack™ and more features

**000-0110-502**

X67c

# Value-Priced, Gray Scale Fishfinder Options

## X52 Fishfinder – NMEA 2000® Networking Options

A proven favorite for delivering sonar performance with NMEA 2000® connectivity in a nicely sized and affordable priced combination.

- High-detail 4 in./10.2 cm diag. Film SuperTwist display and 16-level grayscale definition
- 240Vx160H pixel resolution with superior viewing in direct sunlight
- Screen and keypad backlighting
- 1,500 watts peak-to-peak power/188 watts RMS, depths to 800 ft./274 m
- High-speed 200kHz Skimmer® transducer with built-in temp sensor and up to 60º of wide fish detection
- Automatic ASP™, GRAYLINE®, Advanced Fish I.D.™, FishTrack™ and more features
- Connector for NMEA 2000® networking

**000-0110-612**

X52

## X59 DF Fishfinder – NMEA 2000® Networking Options

Dual-frequency 50/200 kHz sonar for deeper salt water or downrigger tracking with NMEA 2000® networking connectivity.

- Same display and sonar features of the X52
- 2,400W peak-to-peak power/300W RMS, depths to 1,500 ft./457 m @ 50 kHz
- High-speed 50/200kHz Skimmer® transducer with built-in temp sensor
- Connector for NMEA 2000® networking

**000-0110-632**

X59 DF

## LST-3800 In-Dash Digital Depth/Temp

Reliability, accuracy and simplified operation from this digital depth gauge with water temp readings. Ideal for inland and in-shore coastal boats.

- High-contrast dot matrix display with advanced white LED backlighting
- 200 kHz Skimmer® transom-mount transducer with built-in temp sensor
- Depths to 700 ft./213 m
- Shallow and deep depth alarms
- Temp readings to nearest 0.1º F
- Fits standard 2-1/8 in./55 mm dia. hole

**000-0047-94**

Page 50 for Accessories

# M/X Series Portable Packages

## Get Ready, Get Set . . . Go Fishing Anywhere.

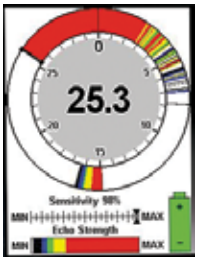
### NEW FEATURES FOR 2011
### X67c IceMachine™
**Portable Color 200 kHz Fishfinder**

Self-contained and ready to go fishing anytime on the ice – or on anything that floats – this package offers a complete, year-round Lowrance sonar system, with superior no-fade viewing performance even in temperatures down to -20° F/ -28° C. With the same X67c display and functions (page 45), the IceMachine includes:

- Unique "Ice Mode" full-screen LCD flasher with adjustable color palettes and sensitivity
- Special, weighted 200 kHz bullet-shaped ice transducer
- Weatherproof zippered soft pack with external mesh storage pockets
- Internal platform adjusts up/down for display viewing ease and features two tackle trays, rod-holder slots and quick-access lure storage
- 12 vDC no-maintenance battery and charger

**000-10210-001**

New design for portable fishing conveniences.




X67c flasher view with Ice Mode display features

### PPP-18I Ice Fishing Kit

Here's a great way to make your own Lowrance portable. The Ice Fishing Kit comes with all the accessories you need – soft pack, bullet ice transducer, platform, tackle trays, 12 vDC battery & charger. You just purchase and add the Lowrance echosounder/chartplotter you prefer. Works with most Lowrance and Eagle® with uniplug connectors, including the Elite™ and Mark™ series (pages 40-43).

**000-10209-001**

### PPP-17 Portable Power Pack

Features soft case, platform and tackle trays, plus a Skimmer® 200 kHz transducer with suction-cup mount and battery power pack for eight D-cell batteries (batteries not included). For Elite™ and Mark™ fishfinders and most Lowrance and Eagle® models with uniplug connectors.

**000-10030-001**

Lowrance Ice-Fishing Kit features elevated display platform for easy viewing, front and rear zippered openings and works with X-series and Elite color fishfinders, plus the HDS-5 (requires adaptor).

Page 50 for Accessories

# VHF Marine Radios

## Keep in touch with unbeatable quality, dependability and performance.

### LVR-880 DSC VHF+FM
**Fixed-Mount Marine Radio**

The first with an FM and NMEA 2000® interface for Track-Your-Buddy®. Plus other premium features in an exceptional 25W/1W DSC marine radio.

- 25W/1W VHF and stereo FM receiver with dual audio amps
- All USA/Canada/Intranational VHF voice and weather channels
- Full 25W Class D DSC automatic distress operation transmits/receives vessel position/group calls via dual NMEA 2000®/0183 output to most chartplotters
- Extra-large, bright, custom full-matrix backlit screen; lat/lon displayed without scrolling
- Rotary channel control with push-to-enter
- Exclusive **Track-Your-Buddy®** feature to locate companion boats
- Simplified intercom with talkback and built-in 22W hailer-horn
- GREAT CIRCLE NAVIGATION with NMEA 2000® data transfer chartplotters
- Large 2.24 in./57 mm speaker with robust audio output for high-speed running and 4W external speaker jack
- All-channel naming, instant three favorite channels access with scan, Local/Distant eliminates interference
- Case and microphone fully JIS 7 waterproof/submersible

**LVR-880U**
**000-0022-20**

### LVR-250 DSC VHF
**Fixed-Mount Marine Radio**

Solid reliability and attractive features without the high price in a high-quality 25W/1W fixed-mount VHF marine radio with DSC.

- All USA/Canada/Intranational VHF voice and weather channels
- Full 25W Class D DSC automatic distress operation transmits-receives vessel position/group calls via NMEA 0183 output to most chartplotters
- Large, clear, 4-line backlit screen; lat/lon displayed without scrolling
- Rotary channel control with push-to-enter
- Current boat position/time with chartplotter connection
- Extra-large dedicated 16/9 calling channel key
- Large chassis speaker with robust audio output for high-speed running plus 3W external speaker jack
- All-channel naming, instant three favorite channels access with scan, Local/Distant eliminates interference
- Case and microphone fully JIS 7 waterproof/submersible

**LVR-250U**
**000-0022-19**

### Floatable LHR-80 VHF/GPS Handheld Marine Radio

Advanced and affordable 5/1W waterproof VHF handheld features built-in 12-channel GPS receiver, trackplotter, Great Circle navigation, and more. Plus it floats!

- 5W/1W handheld VHF is fully JIS 7 waterproof/submersible AND floats in sea water
- All USA/Canada/Intranational VHF voice and weather channels
- SC101 DSC automatic distress transmit-receive operation when mounted in charger cradle with NMEA 0183 output connection to chartplotter
- Exclusive **Track-Your-Buddy®** and **Get Buddy®** features to locate companion boats
- Large, backlit LCD bitmapped screen maximizes viewing; 4-bar battery life indicator
- Built-in 12-channel GPS with lat/lon output, trackplotter display, waypoint icons and cursor control
- Long-life, high-capacity, Li-Polymer rechargeable battery with rapid charger (less than 3 hours)
- GREAT CIRCLE NAVIGATION with NMEA 0183 data transfer to external chartplotter when in cradle
- Twelve plotter range scales and 360-point track history with interval control
- All-channel naming, dedicated key for instant three favorite channels access with scan
- Backlit function keys; instant GO/MOB key and 16 key with keylock

**LHR-80U**
**000-0022-17**

### What's DSC?

Digital Selective Calling (DSC) provides for instant distress calls plus digital messaging via VHF, and is a component of the international Global Maritime Distress and Safety System (GMDSS). A GPS connection provides time and location that's broadcast with your boat's ID automatically with a press of the DISTRESS button. So simple, even inexperienced VHF users to send distress calls with one-button ease. With DSC you can also privately hail another DSC-equipped vessel, or shore station, with a known MMSI (Maritime Mobile Service Identity) number. It will also "ring" and notify you that you have a private hail, and automatically switch you to the open channel for your caller. Lowrance fixed-mount VHF models meet the 2010 FCC requirement for full Class D DSC in 25W marine radios.

### What's Track-Your Buddy®?

This special function is for safety, teamwork, convenience, and even just for fun. It's a great feature that uses VHF DSC position polling with chartplotter to view three boating friends on the chart display. It's also easy to set up the Lowrance LVR-880 or LHR-80 handheld with the MMSI number of your buddies and a compatible Lowrance GPS chartplotter. Your VHF regularly polls your buddies' positions and the chartplotter updates their locations on your screen.

### What's Get-Buddy™?

Get-Buddy lets up to 10 companions in your group with LHR-80 radios transmit individual bearing and distance of their location to all buddies - instantly, in real-time on a selected working channel. Store the group's MMSI/name, go to the same channel and start Get Buddy. The press and release of the PTT on one LHR-80 handheld transmits to all others in range. Each receiving radio displays the exact distance and bearing of each sender.

# Endura™ Handheld Outdoor GPS

## Endura™ Handheld Touch-Screen GPS Navigation

### Guiding Outdoor Adventure with Safety, Confidence and Precision.

Lowrance Endura GPS devices are the must-have rugged and waterproof tool for any outdoor enthusiast. Supported by best-in-class preloaded mapping, sport-specific waypoint icons, and easy-to-use menus and tools, the Endura series provides a level of support for hunting, fishing, boating, hiking and geocaching that is unmatched in the marketplace.

With a microSD media expansion slot for up to an additional 32GB of mapping, pictures, MP3 audio files and more, the Endura line can be customized with plug-and-play mapping such as Fishing Hot Spots®, LakeMaster®, and Lowrance AccuTerra® Outdoor cartography or downloadable satellite and topo maps from MapSelect.com. Share GPX waypoints and trails from Lowrance HDS®, hiking and mountain biking websites, and from Geocaching.com as single cache or pocket query files.

## Endura™ Sierra

### Fully loaded, premium outdoor and road mapping navigator

Over 3GB of mapping and content PLUS all the features of the Safari GPS!

- Pre-loaded 100 ft. topographic contours and detailed land use shading
- Complete NAVTEQ® US road network
- 1.7 million points-of-interest and embedded popular national park trails
- Digital, stabilized 3-axis compass and barometric altimeter
- Multimedia MP3/voice notes, picture, and video players
- Turn-by-Turn Navigation capable with optional US/CAN Road Navigation card

**000-0125-40**

## Endura™ Safari

### Incredibly versatile GPS for hunting, fishing and geocaching

- Advanced basemap with 500 ft. topographic contours, land use shading, primary and secondary roads, and 200,000 Points-of-Interest
- Digital, stabilized 3-axis compass and barometric altimeter
- Over 35 Fishing and Hunting specific waypoint icons
- Customizable trip computer provides sunrise and sunset times, distance, and more
- View game camera pictures/video or record and play waypoint voice notes with multimedia tools
- Turn-by-Turn Navigation capable with optional US/CAN Road Navigation card

**000-0125-39**

## Endura™ Out&Back

### The most affordable color, touch screen outdoor GPS available

- Easy to understand basemap with lakes, rivers, primary and secondary roads
- Paperless geocaching with cache icons, cache detail, logs and field note capability
- Upgrade with additional outdoor and marine mapping, waypoints and trails any time you wish
- Multiple mounting options with two attachment points for lanyards, RAM Mount handlebar mounts, etc.

**000-0125-38**

## NEW FOR 2011

### Endura™ Safari with Fishing Hot Spots® PRO USA

The Safari, bundled with the ultimate angler's digital mapping and fishing information for premier U.S. fishing waters on microSD media card (page 24 for more).

**000-10282-001**

Page 51 for Accessories/Mapping Option
Page 56 for Comparing Specifications

# Off-Road Racing GPS

## A Reputation of Spot-On GPS Navigation That's Tough Enough to Beat the Baja, for Over a Decade.

*Legendary, Rugged Brilliance.*

## HDS® GPS Chartplotters

HDS-7m HDS-5m

HDS High Definition System chartplotters are the only GPS displays that go to extremes to deliver exceptional, full-featured satellite navigation to survive any pounding on any surface. Available in two screen/case sizes to fit the snuggest vehicle interiors, both feature:

**Internal GPS+WAAS Antenna** – High-sensitvity, enhanced 16-channel precision.

**High-Speed LGC-4000 Baja Option** – Super-accurate external 5Hz GPS antenna with location updates five (5) times every second.

**Clearest Views** – Exclusive SolarMAX™ PLUS displays unequalled in sunlight and wide-angle viewing plus optimized night mode.

**Smoother Moves** – Easy-to-use; menu interface speeds functions access/control.

**Media Card Conveniences** – Record, save and/or upload GPS waypoints, trails, routes as well as load free software updates.

**Performance Plotting** – Stores 5,000 waypoints, 200 routes, and 10 retraceable trails up to 12,000 points/trail. Choice of 70 graphic marker icons with five different color choices each.

**Dual Communications** – NMEA 2000® and NMEA 0183

### HDS-7m Chartplotter

Large 6.4 in./16.3 cm, 480V x 640H pixel full VGA 16-bit color detail display with built-in enhanced U.S. basemap.

**000-0140-16**

### HDS-5m Chartplotter

High-resolution 5 in./12.7 cm, 480V x 480H pixel 16-bit color detail display with built-in enhanced U.S. basemap.

**000-0140-23**

### LGC-4000 Baja

Ruggedized, WAAS-enhanced 5Hz, 16-channel dust/waterproof external GPS antenna. Includes NMEA 2000® Starter Kit for HDS connection.

**000-0125-31**

*Mighty. Durable. Reliable. Affordable*

## NEW Elite-5m BAJA

Introducing legendary Lowrance off-road durability, high-performance GPS features and high-color viewing in a complete, install-and-race navigation package at an attractively affordable price.

**Internal GPS Antenna** – Superb WAAS-enhanced 16-channel location accuracy.

**Plus External Antenna** –Compact, dust and waterproof 16-channel GPS+WAAS module also included.

**High Visibility** –SolarMAX™ 256-color TFT screen detail, contrast, brightness and wider viewing angles.

**Ideal Control** – Keypad design for smooth one-hand operation plus easy-to-navigate user interface menu.

**Media Matters** – microSD slot to record, save and/or upload GPS waypoints, trails, routes as well as free software enhancements.

**Prodigious Plotter** – Stores 3,000 waypoints, 100 routes, and 10 trails up to 10,000 points/trail. Choice of 12 graphic marker icons with five different color choices each.

**Communications** –NMEA 0183

### Elite-5m BAJA Chartplotter

True 5 in./12.7 cm, 480V x 480H pixel 256-color high-detail display with built-in enhanced U.S. basemap, LGC-16W external antenna and kit for in-dash flush mountinig.

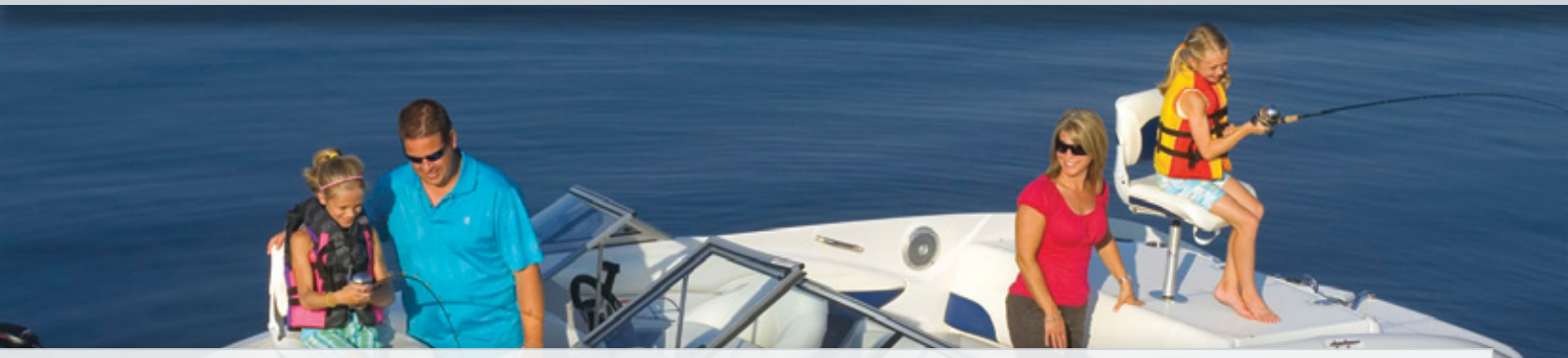
**000-10208-001**

**LGC-4000 BAJA**

# Accessories – Standalone Electronics

| Elite DSI/Mark DSI Transducers | | Part |
|---|---|---|
| Skimmer® transducer DSI w/Temp | 455/800 kHz Skimmer® DSI imaging transducer with built-in temp | 000-10260-001 |
| Trollling Motor transducer Adaptor DSI | Trolling motor-adapter for 455/800 kHz Skimmer® DSI imaging transducer | 000-10261-001 |
| Skimmer® transducer Mount DSI | Transom-mount bracket for Skimmer® DSI imaging transducer | 000-10262-001 |
| Transducer Extension DSI | 4.5 m/15 ft. extension cable for Skimmer® DSI imaging transducer | 000-10263-001 |
| **Uniplug Transducers**<br>Elite/Mark/X-4 Series/X67c/M68c | | **Part** |
| HST-WSU | 200 kHz transom-mount high-speed, low-profile Skimmer® transducer with built-in temp | 000-0106-48 |
| HST-50/200-WSU | 50/200 kHz t transom-mount high-speed, low-profile Skimmer® transducer with built-in temp for M68c | 000-0106-49 |
| PDRT-WSU | 83/200kHz trolling motor-mount or shoot-thru-hull pod transducer with remote temp | 000-0106-69 |
| PD-WSU | 83/200kHz trolling motor-mount or shoot-thru-hull pod transducer, no temp | 000-0106-52 |
| PDT-WSU | 83/200kHz trolling motor-mount pod transducer with built-in temp | 000-0106-50 |
| PTI-WSU | Ice transducer | 000-0106-68 |
| BT-THU | Bronze thru-hull 83/200 kHz transducer with temp 45/12° beamwidths, 12 m/39 ft. cable | 000-10248-001 |
| TS-2U | Second temp sensor for use with all Lowrance uniplug echosounders | 000-0099-77 |
| ST-TU | Transom-mount paddlewheel speed/temp sensor | 000-0099-75 |
| XT-15U | 4.5 m/15 ft. quarter-turn uniplug transducer extension cable | 000-0099-91 |
| NDC-4 | NMEA-0183 output cable for Elite™, M68c, M52i GPS products | 000-0119-31 |
| TA-BL2U-T | Adapter from blue connector 50/200 kHz or 200 kHz transducers to uniplug echosounder | 000-0127-66 |
| Suction Cup Kit | Suction cup mount for Skimmer® transducer | 000-0051-52 |
| **Blue Connector Transducers**<br>X52/X59 DF | | **Part** |
| HST-WSBL | 200 kHz transom-mount high-speed, low-profile Skimmer® transducer with built-in temp (not for X59 DF) | 000-0106-72 |
| HS-WSBL | 200 kHz transom-mount high-speed, low-profile Skimmer® transducer, no temp (not for X59 DF) | 000-0106-71 |
| PDRT-WBL | 200kHz trolling motor-mount or shoot-thru-hull pod transducer with remote temp (not for X59 DF) | 000-0106-89 |
| PD-WBL | 200kHz trolling motor-mount or shoot-thru-hull pod transducer, no temp (not for X59 DF) | 000-0106-73 |
| PDT-WBL | 200kHz trolling motor-mount pod transducer with built-in depth (not for X59 DF) | 000-0106-74 |
| HST-DFSBL | 50/200kHz transom-mount high-speed, low-profile Skimmer® transducer with built-in temp ( for X59 DF) | 000-0106-77 |
| TMB-S | Trolling motor-mount bracket for high-speed, low-profile Skimmer® transducer | 000-0051-45 |

| Flush-Mount Kits | | Part |
|---|---|---|
| FM-ME5 | Flush-mount kit for all Elite and Mark series displays | 000-10028-001 |
| FM-6 | Flush-mount kit for X67c, M52i, M68c | 000-0113-20 |
| FM-4 | Flush-mount kit for X-52 and X-59 DF | 000-0113-03 |



| VHF Fixed-Mount | | Part |
|---|---|---|
| 2.5m U/Glass VHF antenna | 2.5 m/8 ft. fiberglass quick-fit VHF antenna | AA000355 |
| 1m U/Glass VHF antenna | 1 m/3 ft. fiberglass quick-fit VHF antenna | AA000358 |
| F/down Mnt, Nylon | Nylon quick-fit mount for U/Glass antennas | AA000223 |
| F/down Mnt, S/S | Stainless steel quick-fit mount for U/Glass antennas | AA000224 |
| 1m S/S + bkt VHF antenna | Sailboat masthead VHF antenna | AA000352 |
| 5m VHF extension | 5 m/16.4 ft. VHF antenna extension cable | AA000400 |
| **VHF Handheld** | | **Part** |
| VKIT-2 | LHR-80 charging cradle and UK power adaptor | 000-10007-001 |
| VKIT-3 | LHR80 charging cradle and EU power adaptor | 000-10008-001 |
| VKIT-5 | LHR-80 charging cradle and 12 vDC accessory power plug cable | 000-10010-001 |
| PC-29 | LHR-80 power cable | 000-0127-40 |
| VBP-4 | LHR-80 1,400 mAh Li-Polymer battery pack | 000-0016-53 |
| MBC-1 | Belt Clip for LHR-80 | 000-10017-001 |
| HHA-3 | Antenna for LHR-80 | 000-10016-001 |

| Endura Handheld GPS | | Part |
|---|---|---|
| Endura mini USB & NMEA cable IPx4 | | 000-00002-033 |
| Endura cradle and bike mount | | 000-00002-034 |
| Endura carrying case | | 000-00002-035 |
| Endura 12 vDC accessory power plug cable | | 000-00002-036 |
| PAC-9 Endura AC power adapter | | 000-0127-41 |
| **Endura™ Mapping** | | **Part** |
| Lowrance outdoor US | NorthEast | 000-00002-014 |
| Lowrance outdoor US | SouthEast | 000-00002-015 |
| Lowrance outdoor US | South | 000-00002-016 |
| Lowrance outdoor US | Great Lakes | 000-00002-017 |
| Lowrance outdoor US | Mid West | 000-00002-018 |
| Lowrance outdoor US | West | 000-00002-019 |
| Lowrance outdoor US | Rockies | 000-00002-020 |
| Lowrance outdoor | USA & Canada | 000-00002-030 |
| Fishing Hot Spots® PRO USA | www.fishinghotspots.com | |
| **Off-Road GPS** | | **Part** |
| LGC-4000 Baja | Ruggedized 5Hz GPS+WAAS 16-channel external antenna for HDS | 000-0125-31 |
| FM-12 | Flush-mount kit for all HDS models | 000-0124-65 |

**Contact your Lowrance retailer for these and more Lowrance marine electronics accessories.**

# Specifications

## HDS® Multifunction Displays Fishfinder/ Chartplotter

| | HDS-10 | HDS-8 | HDS-7 | HDS-5 | HDS-5x |
|---|---|---|---|---|---|
| Display | 26.4 cm/10.4 in. 16-bit color SolarMAX™ PLUS TFT | 20.3.cm/8 in. 16-bit color SolarMAX™ PLUS TFT | 16.3 cm/6.4 in. 16-bit color SolarMAX™ PLUS TFT | 12.7 cm/5 in. 16-bit color SolarMAX™ PLUS TFT | 12.7 cm/5 in. 16-bit color SolarMAX™ PLUS TFT |
| Resolution | Super VGA 600V x 800H pixels | Super VGA 600V x 800H pixels | Full VGA 480V x 640H pixels | High Contrast 480V x 480H pixels | High Contrast 480V x 480H pixels |
| Backlighting | Pure white LED screen/ keypad adjusts to zero dim | Pure white LED screen/ keypad adjusts to zero dim | Pure white LED screen/ keypad adjusts to zero dim | Fluorescent cold cathode adjustable screen/keypad | Fluorescent cold cathode adjustable screen/keypad |
| Power Output RMS/Peak-to-Peak | 32W/250W; RMS actual; 750W/30,000W analog equivalent | 32W/250W; RMS actual; 750W/30,000W analog equivalent | 32W/250W; RMS actual; 750W/30,000W analog equivalent | 32W/250W; RMS actual; 750W/30,000W analog equivalent | 32W/250W; RMS actual; 750W/30,000W analog equivalent |
| Operating Frequency | 50/83/200 kHz | 50/83/200 kHz | 50/83/200 kHz | 50/83/200 kHz | 50/83/200 kHz |
| Depth Capability | To 1525 m/5,000 ft. Based on transducer* | To 1525 m/5,000 ft. Based on transducer* | To 1525 m/5,000 ft. Based on transducer* | To 1525 m/5,000 ft. Based on transducer* | To 1525 m/5,000 ft. Based on transducer* |
| Operating Voltage | 10-17 vDc | 10-17 vDc | 10-17 vDc | 10-17 vDc | 10-17 vDc |
| GPS Receiver/Antenna | Internal high-sensitvity 16-channel GPS+WAAS/EGNOS/MSAS corrections | Internal high-sensitvity 16-channel GPS+WAAS/EGNOS/MSAS corrections | Internal high-sensitvity 16-channel GPS+WAAS/EGNOS/MSAS corrections | Internal high-sensitvity 16-channel GPS+WAAS/EGNOS/MSAS corrections | None |
| Waypoint Management | 5,000 waypoints, 200 routes, 10 trails up to 12,000 points each; specific icons for navigation and fishing | 5,000 waypoints, 200 routes, 10 trails up to 12,000 points each; specific icons for navigation and fishing | 5,000 waypoints, 200 routes, 10 trails up to 12,000 points each; specific icons for navigation and fishing | 5,000 waypoints, 200 routes, 10 trails up to 12,000 points each; specific icons for navigation and fishing | Waypoints with network only |
| Communication | NMEA 2000® networking, Ethernet networking, NMEA 0183 | NMEA 2000® networking, Ethernet networking, NMEA 0183 | NMEA 2000® networking, Ethernet networking, NMEA 0183 | NMEA 2000® networking, Ethernet networking, NMEA 0183 | NMEA 2000® networking, Ethernet networking, NMEA 0183 |
| Languages | Choice of 23 | Choice of 23 | Choice of 23 | Choice of 23 | Choice of 23 |
| Media Port | Two (2) SD/MMC slots for cartography, or recording sonar and navigation data | Two (2) SD/MMC slots for cartography, or recording sonar and navigation data | One (1) SD/MMC slot for cartography, or recording sonar and navigation data | One (1) SD/MMC slot for cartography, or recording sonar and navigation data | None |
| Case Size | 22.5 cm/8.85 in. H 31.2 cm/12.28 in. W 9.2 cm/3.63 in. D Sealed and waterproof, suitable for saltwater use | 19.7 cm/7.76 in. H 26.9 cm/10.59 in. W 9.4 cm/3.68 in. D Sealed and waterproof, suitable for saltwater use | 16.4 cm/6.46 in. H 22.3 cm/8.78 in. W 8.8 cm/3.46 in. D Sealed and waterproof, suitable for saltwater use | 14.5 cm/5.72. in. H 18.4 cm/7.24 in. W 8.8 cm/3.46 in. D Sealed and waterproof, suitable for saltwater use | 14.5 cm/5.72. in. H 18.4 cm/7.24 in. W 8.8 cm/3.46 in. D Sealed and waterproof, suitable for saltwater use |

## HDS® Multifunction Displays Chartplotter

| | HDS-7m | HDS-5m |
|---|---|---|
| Display | 16.3 cm/6.4 in. 16-bit color SolarMAX™ PLUS TFT | 12.7 cm/5 in. 16-bit c olor SolarMAX™ PLUS TFT |
| Resolution | Full VGA 480V x 640H pixels | High contrast 480V x 480H pixels |
| Backlighting | Pure white LED screen/ keypad adjusts to zero dim | Fluorescent cold cathode adjustable screen/keypad |
| Operating Voltage | 10-17 vDc | 10-17 vDc |
| GPS Receiver/Antenna | Internal high-sensitvity 16-channel GPS+WAAS/EGNOS/MSAS corrections | Internal high-sensitvity 16-channel GPS+WAAS/EGNOS/MSAS corrections |
| Waypoint Management | 5,000 waypoints, 200 routes, 10 trails up to 12,000 points each; specific icons for navigation and fishing | 5,000 waypoints, 200 routes, 10 trails up to 12,000 points each; specific icons for navigation and fishing |
| Communication | NMEA 2000® networking, Ethernet networking, NMEA 0183 | NMEA 2000® networking, Ethernet networking, NMEA 0183 |
| Languages | Choice of 23 | Choice of 23 |
| Media Port | One (1) SD/MMC slots for cartography, or recording sonar and navigation data | One (1) SD/MMC slots for cartography, or recording sonar and navigation data |
| Case Size | 16.4 cm/6.46 in. H 22.3 cm/8.78 in. W 8.8 cm/3.46 in. D Sealed and waterproof, suitable for saltwater use | 14.5 cm/5.72. in. H 18.4 cm/7.24 in. W 8.8 cm/3.46 in. D Sealed and waterproof, suitable for saltwater use |

## Radar

| | LRA-1800 | LRA-2400 | TX06L-1 | 3G |
|---|---|---|---|---|
| Type | Pulse Radome | Pulse Radome | Pulse Array | FMCW Radome |
| Size/Weight | 45 cm/18 in.<br>4.2 kg/9 lbs. | 60 cm/24 in.<br>10 kg/22 lbs. | 1.28 m/4 ft.<br>29 kg/64 lbs. | 48.8 cm/19 in.<br>7.4 kg/16 lbs. |
| Output Power | 2 kW | 4 kW | 6 kW | 165 mW<br>safe to touch |
| Max. Range Scale | 24 nm | 48 nm | 72 nm | 24 nm |
| Min. Range Scale | 1/8 nm | 1/8 nm | 1/8 nm | 1/32 nm/200 ft |
| Warm-up Time | 90 sec. | 90 sec. | 90 sec. | under 1 sec. |
| Beamwidth (H/V) | 5.2º/30º | 4º/25º | 1.8º/20º | 25º |
| Voltage Required | 10.8 – 15.6 vDC | 10.8 –42 vDC | 10.8 – 42 vDC | 9 – 31.2 vDC |
| Rotation Speed | 27 RPM | 27 RPM | 27 RPM | 24/36 RPM |

## Elite & Elite DSI Fishfinders & Chartplotters

| | Elite-5X | Elite-5x DSI | Elite-5 | Elite-5 DSI | Elite-5m |
|---|---|---|---|---|---|
| Function | Fishfinder | DownScan Imaging™ Fishfinder | Fishfinder/Chartplotter | DownScan Imaging™ Fishfinder/ Chartplotter | Chartplotter |
| Display | 12.7 cm/5 in. SolarMAX™ PLUS color | 12.7 cm/5 in. SolarMAX™ PLUS color | 12.7 cm/5 in. SolarMAX™ PLUS color | 12.7 cm/5 in. SolarMAX™ PLUS color | 12.7 cm/5 in. SolarMAX™ PLUS color |
| Resolution | 256-colour TFT 480 x 480 pixels | 256-colour TFT 480 x 480 pixels | 256-colour TFT 480 x 480 pixels | 256-colour TFT 480 x 480 pixels | 256-colour TFT 480 x 480 pixels |
| Backlighting | Fluorescent cold cathode | Fluorescent cold cathode | Fluorescent cold cathode | Fluorescent cold cathode | Fluorescent cold cathode |
| Power Output Watts RMS/Peak-to-Peak | 500/4000 | 500/4000 | 500/4000 | 500/4000 | N/A |
| Operating Frequency | 83/200 kH | 455/800 kHz | 83/200 kHz | 455/800 kHz | N/A |
| Depth Capability | 305 m/1000 ft. | 76 m/250 ft. | 305 m/1000 ft. | 76 m/250 ft. | N/A |
| Operating Voltage | 10-17 vDC | 10-17 vDC | 10-17 vDC | 10-17 vDC | 10-17 vDC |
| GPS Receiver/Antenna | N/A | N/A | High-sensitivity internal 16-channel GPS with WAAS/EGNOS/ MSAS correction | High-sensitivity internal 16-channel GPS with WAAS/EGNOS/ MSAS correction | High-sensitivity internal 16-channel GPS with WAAS/EGNOS/ MSAS correction |
| Waypoint Management | N/A | N/A | Up to 3000 waypoints, 100 routes, 100 waypoints per route, 100 retraceable plot trails, up to 10,000 points per trail | Up to 3000 waypoints, 100 routes, 100 waypoints per route, 100 retraceable plot trails, up to 10,000 points per trail | Up to 3000 waypoints, 100 routes, 100 waypoints per route, 100 retraceable plot trails, up to 10,000 points per trail |
| Communication | N/A | N/A | NMEA 0183 | NMEA 0183 | NMEA 0183 |
| Languages | Choice of 23 | Choice of 23 | Choice of 23 | Choice of 23 | Choice of 23 |
| Media Port | N/A | N/A | Waterproof slot for one microSD for Navionics® Gold charting | Waterproof slot for one microSD for Navionics® Gold charting | Waterproof slot for one microSD for Navionics® Gold charting |
| Mounting | Quick-release base with one-hand tilt/ swivel or in-dash mounting | Quick-release base with one-hand tilt/ swivel or in-dash mounting | Quick-release base with one-hand tilt/ swivel or in-dash mounting | Quick-release base with one-hand tilt/ swivel or in-dash mounting | Quick-release base with one-hand tilt/ swivel or in-dash mounting |
| Case Size | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use |

# Specifications

## Mark & Mark DSI Fishfinders & Chartplotters

| | Mark-5x | Mark-5x Pro | Mark-5x DSI |
|---|---|---|---|
| Function | Single-Frequency Fishfinder | Dual-Frequency Fishfinder | DownScan Imaging™ Fishfinder |
| Display | 12.7 cm/5 in. Fiim SuperTwist | 12.7 cm/5 in. Fiim SuperTwist | 12.7 cm/5 in. Fiim SuperTwist |
| Resolution | 16-level gray scale 480 x 480 pixels | 16-level gray scale 480 x 480 pixels | 16-level gray scale 480 x 480 pixels |
| Backlighting | Bright white LED adjustable screen/keypad | Bright white LED adjustable screen/keypad | Bright white LED adjustable screen/keypad |
| Power Output Watts RMS/Peak-to-Peak | 200/1600 | 300/2400 | 500/4000 |
| Operating Frequency | 200 kH | 83/200 kHz | 455/800 kHz |
| Depth Capability | 244 m/800 ft. | 305 m/1000 ft. | 76 m/250 ft |
| Operating Voltage | 10-17 vDC | 10-17 vDC | 10-17 vDC |
| Languages | Choice of 23 | Choice of 23 | Choice of 23 |
| Mounting | Quick-release base with one-hand tilt/swivel or in-dash mounting | Quick-release base with one-hand tilt/swivel or in-dash mounting | Quick-release base with one-hand tilt/swivel or in-dash mounting |
| Case Size | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.6 cm/5.37 in. H<br>17.4 cm/6.85 in. W<br>6.3 cm/2.48 in. D<br>Sealed and waterproof, ideal for saltwater use |

## M/X Compact Fishfinders & GPS

| | X-4 | X-4 Pro | X52 | X59 DF | X67C | M68C |
|---|---|---|---|---|---|---|
| Function | Fishfinder | Fishfinder | Fishfinder | Fishfinder | Fishfinder | Fishfinder/GPS |
| Display | 10.2 cm/4 in. Film SuperTwist | 10.2 cm/4 in. Film SuperTwist | 10.2 cm/4 in. Film SuperTwist | 10.2 cm/4 in. Film SuperTwist | 8.9 cm/3.5 in. Active Matrix | 8.9 cm/3.5 in. Active Matrix |
| Resolution | 4-level gray scale 240V x 160H pixels | 4-level gray scale 240V x 160H pixels | 16-level gray scale 240V x 160H pixels | 16-level gray scale 240V x 160H pixels | 256-color TFT 320V x 240H pixels | 256-color TFT 320V x 240H pixels |
| Backlighting | Incandescent/screen | Incandescent/screen | White LED/screen & keypad | White LED/screen & keypad | White LED/screen & keypad | White LED/screen & keypad |
| Power Output Watts RMS/Peak-to-Peak | 100/800 | 188/1500 | 188/1500 | 300/2400 | 100/800 | 100/800 |
| Operating Frequency | 200 kHz | 83/200 kHz | 200 kHz | 50/200 kHz | 200 kHz | 200 kHz |
| Depth Capability | 180 m/600 ft. | 305 m/1000 ft. | 183 m/600 ft. | 457 m/1500 ft. @ 50 kHz | 183 m/600 ft. | 183 m/600 ft.<br>244 m/800 ft. Deep Water model |
| Operating Voltage | 10-17 vDC | 10-17 vDC | 10-17 vDC | 10-17 vDC | 10-17 vDC | 10-17 vDC |
| GPS Receiver/Antenna | N/A | N/A | N/A | N/A | N/A | Internal 12-channel |
| Waypoint Management | N/A | N/A | N/A | N/A | N/A | Up to 1000 waypoints, 100 routes, 100 retraceable plot plot trails, up to 10,000 points per trail |
| Communication | N/A | N/A | NMEA 2000® | NMEA 2000® | N/A | NMEA 0183 |
| Alarms | Deep/shallow/fish | Deep/shallow/fish | Deep/shallow/fish | Deep/shallow/fish | Deep/shallow/fish | Deep/shallow/fish and GPS alarms |
| Case Size | 14.7 cm/5.8 in. H<br>10.8 cm/4.3 in. W<br>6.6 cm/2.5 in. D<br>Sealed and waterproof, ideal for saltwater use | 14.7 cm/5.8 in. H<br>10.8 cm/4.3 in. W<br>6.6 cm/2.5 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.2 cm/5.2 in. H<br>13.6 cm/5.4 in. W<br>6.6 cm/2.5 in. D<br>Sealed and waterproof, ideal for saltwater use | 13.2 cm/5.2 in. H<br>13.6 cm/5.4 in. W<br>6.6 cm/2.5 in. D<br>Sealed and waterproof, ideal for saltwater use | 14.7 cm/5.8 in. H<br>10.8 cm/4.3 in. W<br>6.6 cm/2.5 in. D<br>Sealed and waterproof, ideal for saltwater use | 14.7 cm/5.8 in. H<br>10.8 cm/4.3 in. W<br>6.6 cm/2.5 in. D<br>Sealed and waterproof, ideal for saltwater use |

## VHF

| VHF/GPS Characteristics | Fixed-Mount LVR-880 | Fixed-Mount LVR-250 | Portable Combo LHR-80 |
|---|---|---|---|
| Dimensions (HWD) and weight – w/o bracket, microphone, or antenna | 96 x 180 x 156 mm<br>3.8 x 7.1 x 6.1 in.<br>3.7 lbs (1.66 kg) | 72 x 160 x 156 mm<br>2.8 x 6.3 x 6.1 in.<br>2.8 lbs (1.29 kg) | 139 x 67.8 x 38.1 mm<br>5.50 x 2.67 x 1.50 in.<br>0.70 lbs (0.318 kg) with battery |
| LCD Display (HW) | Backlighted FSTN<br>Full bitmapped (64 x 128)<br>1.3 x 2.6 in.; 33 x 71 mm | Backlighted FSTN<br>1.0 x 1.8 in.; 26 x 46mm<br>4 line x 12 Character + Icons | Backlighted FSTN<br>Full bitmapped (128 x 128)<br>1.52 x 1.52 in.; 38.7 x 38.7mm |
| Channel Bank and Select Operation | All USA/Canada/Intranational VHF voice and weather channels with Dual/Tri Watch | All USA/Canada/Intranational VHF voice and weather channels with Dual/Tri Watch | All USA/Canada/Intranational VHF voice and weather channels with Dual/Tri Watch |
| Hand Microphone Features | PTT button, Hi/Lo, CH16, 3CH, channel up/down, built-in speaker and backlighting | PTT button, Hi/Lo, CH16, 3CH, channel up/down, built-in speaker and backlighting | — |
| Power Supply/Battery Life | 13.8 vDC±15% | 13.8 vDC±15% | 7.4V – 1400 mAh Li-Polymer<br>>8 hr (5W 5%, 5%, 90% ratio, GPS on). 230ma in Standby<br>>9 hr (1W 5%, 5%, 90% ratio GPS off). 70ma in Standby<br>With battery level indicator |
| Audio Output Power | 2W - 8Ω @ 10% distortion<br>94dBA internal speaker 4W - 4Ω @ 10% distortion with external speaker | 2W - 8Ω @ 10% distortion<br>89dBA internal speaker 4W - 4Ω @ 10% distortion with external speaker | 250mW internal speaker |
| Digital Selective Calling - DSC | Full Class D | Full Class D | SC101 DSC |
| DSC Call Types | All calls are available - including high resolution position polling and Track-Your-Buddy | All calls are available - including high resolution position polling | All calls are available - including high resolution position polling and Track-Your-Buddy |
| Directory/MMSI Entry | 20 Individual + Group MMSI + User MMSI | 20 Individual + Group MMSI + User MMSI | ATIS MMSID |
| Built-in GPS | — | — | YES , LL fix less than 5 sec HOT start |
| Call Logs | 20 Individual/10 Distress | 20 Individual/10 Distress | 20 Individual + Group MMSI + User MMSI |
| Get-Buddy | — | — | YES |
| GPS Input + Output | NMEA 0183/NMEA 2000® | NMEA 0183 | NMEA 0183 output while on cradle |
| Hailer with Intercom Talkback/ External Speaker | Powerful 22W Hailer with Auto/manual sounds and listen-back, plus external speaker jack | No Hailer - has external speaker jack | — |
| Navigation with Waypoints and MOB | 200 Waypoints with instant GO control | — | 500 Waypoints with instant GO control. One track with 360 Trackpoints/control. Selection to show nearest 5 Waypoints |
| FM Stereo Radio | USA/EU/AUS bands | — | — |
| Local/Distance | YES | YES | YES |
| 3 Favourite Channel Select/Scan | YES | YES | YES |
| 12db Sinad Sensitivity | .25uV (distant)/2.5uV (local) | .25uV (distant)/2.5uV (local) | .25uV (distant)/2.5uV (local) |
| Other Standard Features | Flush mount kit and sun cover | Flush mount kit and sun cover | IT FLOATS. Built-in 12-channel GPS receiver with lat/lon output, Great Circle navigation trackplotter display, local waypoint icons and cursor control. GPS satellite screen |

## All VHFs share the following features:

**Tx Power:** 6A@25W / 1.5A@1W fixed-mount | 1.75A@5W / 0.8A@1W portable
**Current Drain:** 1.75A at 5W/0.8A at IW portable 6A at 25W/1.5A at 1W fixed mount
**Battery monitor:** Yes – level indicator with portable
**Compass safe distance:** 0.45m – fixed mount
**Temperture:** -4 to 122º F (-20 to 50º C)
**Waterproof Rating:** JIS7
**Antenna Connector:** SO-239; SMB – Portable
**Transmitter Protection:** Open/Short circuit of antenna
**Dual Watch Monitoring:** Yes

# Specifications

## Endura™ Handheld GPS

| | Out&Back | Safari | Sierra |
|---|---|---|---|
| Receiver | 42-channel, Internal GPS antenna, WAAS/EGNOS/MSAS correction | 42-channel, Internal GPS antenna, WAAS/EGNOS/MSAS correction | 42-channel, Internal GPS antenna, WAAS/EGNOS/MSAS correction |
| Display | 6.8 cm/2.7 in. 320V x 240H pixels optimized QVGA color touchscreen | 6.8 cm/2.7 in. 320V x 240H pixels optimized QVGA color touchscreen | 6.8 cm/2.7 in. 320V x 240H pixels optimized QVGA color touchscreen |
| Backlighting | White LED screen, adjustable | White LED screen, adjustable | White LED screen, adjustable |
| Waypoint Management | Up to 4000 waypoints; 500 routes/up to 250 waypoints per route; 100 trails/ up to 10,000 points per trail; 4,000 geocaches; 194 graphic marker icons | Up to 4000 waypoints; 500 routes/up to 250 waypoints per route; 100 trails/ up to 10,000 points per trail; 4,000 geocaches; 194 graphic marker icons | Up to 4000 waypoints; 500 routes/up to 250 waypoints per route; 100 trails/ up to 10,000 points per trail; 4,000 geocaches; 194 graphic marker icons |
| Communications | NMEA 0183 output | NMEA 0183 output | NMEA 0183 output |
| Battery/Life | Two AA (sold separately) 10 – 15 hours | Two AA (sold separately) 10 – 15 hours | Two AA (sold separately) 10 – 15 hours |
| Operating Temperature | -4° F to +120°F/-20° C to +49° C | -4° F to +120°F/-20° C to +49° C | -4° F to +120°F/-20° C to +49° C |
| Storage Temperature | -40° F to +185° F/-40° C to +85° C | -40° F to +185° F/-40° C to +85° C | -40° F to +185° F/-40° C to +85° C |
| Case | 13 cm/5.1 in. H 6 cm/2.4 in. W 3.1 cm/1.2 in. D Sealed and IPx7 waterproof with rubber armoring 0.165 kg/0.36 lbs. | 13 cm/5.1 in. H 6 cm/2.4 in. W 3.1 cm/1.2 in. D Sealed and IPx7 waterproof with rubber armoring 0.165 kg/0.36 lbs. | 13 cm/5.1 in. H 6 cm/2.4 in. W 3.1 cm/1.2 in. D Sealed and IPx7 waterproof with rubber armoring 0.165 kg/0.36 lbs. |
| **Embedded Cartography** | | | |
| Preloaded Onboard Maps | Basic | Advanced | Premium |
| Built-in Road Network | Primary | Primary/Secondary | All |
| Topo Contour Interval (feet) | — | 500 | 100 |
| Cartography Options | Fishing Hot Spots®, LakeMaster®, Lowrance Accuterra® Outdoor mapping on microSD media cards | Fishing Hot Spots®, LakeMaster®, Lowrance Accuterra® Outdoor mapping on microSD media cards | Fishing Hot Spots®, LakeMaster®, Lowrance Accuterra® Outdoor mapping on microSD media cards |
| **Key Features** | | | |
| Built-in Backup Memory | ● | ● | ● |
| Accepts GPX Trail/POI Data | ● | ● | ● |
| Geocaching Application | ● | ● | ● |
| Navigation Bearing Detail | ● | ● | ● |
| 3D Compass | — | ● | ● |
| Barometric Altimeter | — | ● | ● |
| Trip/Route Recording | ● | ● | ● |
| Power Standby Mode | ● | ● | ● |
| Picture Viewer | ● | ● | ● |
| MP3 Player | — | ● | ● |
| Video Player | — | ● | ● |
| Headset Jack & Speaker | — | ● | ● |
| Microphone | — | ● | ● |
| Uses up to 32GB microSD cards | ● | ● | ● |
| Mini USB Data/Power Port | ● | ● | ● |

## StructureScan™ Sonar Imaging

| LSS-1 Module | |
|---|---|
| Power Requirement | 12 vDC |
| Input Voltage | 10 – 17 vDC |
| Transmit Power Watts Peak-to-Peak/RMS | 4,000/500 |
| Current Drain | .75A maximum<br>.60A typical<br>4.7A inrush peak |
| Fuse Type | External 3A automotive blade |
| Networking | Ethernet; connectors for 3 devices |
| **Imaging Transducer** | |
| Cable Length | 20 ft./6 m |
| Target Separation | 1.5 in./38.1 mm |
| Frequencies | 455 kHz and 800 kHz |
| **Weights** | |
| LSS-1 Module | 1.8 lbs./0.82 kg |
| Imaging Transducer | 1.9 lbs./0.86 kg<br>2.55 lbs./1.16 kg with transom-mount bracket |
| **Sidescan Detail** | |
| Maximum Range | 500 ft./152 m wide (250 ft./76.2 m each side) @455 kHz<br>300 ft./92 m wide (150 ft./46 m each side) @800 kHz |
| Maximum Depth | 150 ft./46 m |
| Bottom Tracking | 35 mph/56 kph and less |
| Mark Objects | 15 mph/24 kph and less |
| Optimum Speed | 2 – 10 mph/3 – 16 kph or less |
| **DownScan™ Imaging Detail** | |
| Maximum Depth | 300 ft./92 m @455 kHz<br>100 ft./30 m @ 800 kHz |
| Bottom Tracking | 55 mph/88 kph and less |
| Mark Objects | 35 mph/56 kph and less |
| Optimum Speed | 2 – 10 mph/3 – 16 kph or less |

## LWX-1 SIRIUS® Satellite Weather and Radio Antenna/Receiver

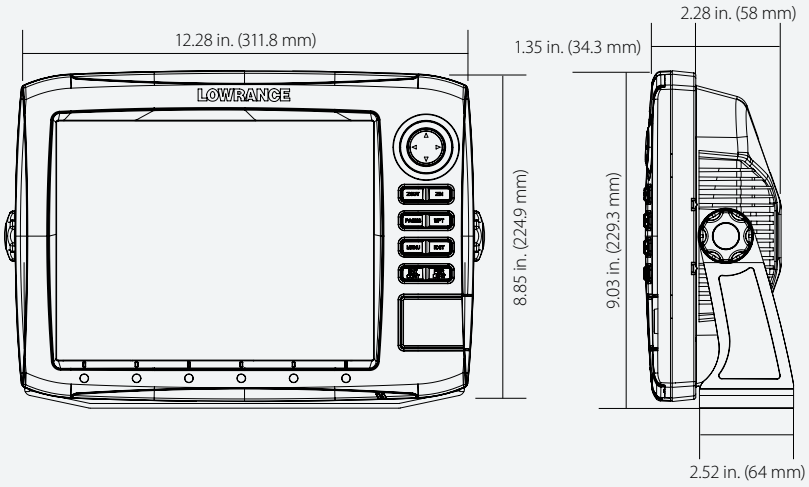
| Electrical | |
|---|---|
| Power | 3.5 W maximum (Potted Cable, mSDR, SDM and Antenna) |
| Source | 8 - 18 vDC (Vessel Power) |
| Audio | Analog output levels of 2.2V (peak-to-peak) into 600 Ohms |
| Data/Control | Ethernet (NDR to Host) |
| Backup Memory | 30 minutes after DC power removal via SUPERCAP |
| Antenna | Internal Ceramic Patch |
| Cables | 20 ft./6 m Cat5e cable from NDR to Interface box<br>6.6 ft./2 m cable to HDS Ethernet connector<br>3.3 ft./1 m power cable to 12 vDC source |
| **Mechnical** | |
| Size (HxWxD) | 2.0 x 5.0 x 3.7 in./ 50 x 127 x 94 mm (excludes pedestal mount) |
| Weight | 12 oz./340 g without cable<br>22 oz./622 g with cable |
| Enclosure | White, UV stabilized, injection molded |
| Mounting | Flush mount, Pole Mount or Pedestal mount |
| **Environmental** | |
| Temperature Range | -4° F to +158° F/-20° C to +70° C @ 95% humidity (non-operating)<br>+14° F to +140° F/-10° C to +60°C @ 95% humidity (operating) |

## SonicHub™ Marine Audio Server/Stereo

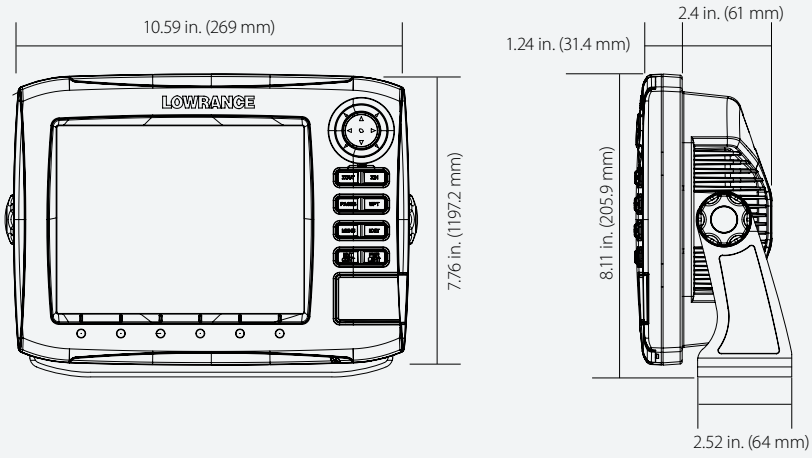
| Components | Waterproof server hub module, Media dock , and two 6.5 in./165 mm marine speakers, plus iPod-iPhone dock sleeves |
|---|---|
| Media | Hub Module -<br>Built-in AM/FM tuner (antenna/coupler purchased separately)<br>Stereo AUX IN - audio CD/DVD/MP3 devices<br>Stereo SAT IN - SIRIUS® Satellite Radio<br>Mono SUB OUT - subwoofer |
| Hub Amplifier | 4 channel/50W per channel |
| Tuning Range | FM – 87.4 MHz to 108.0 MHz; Frequency step: 100 kHz<br>AM – 530 MHz to 1710 MHz; Frequency step: 10 kHz |
| Communication | NMEA 2000® |
| Control | Full audio selections/control from any HDS® multifunction display on the NMEA 2000® onboard network |
| Operating Voltage | 10 – 16 vDC |
| Current | 15 A (Max); 250 mA (Muted) |
| Temperature Range | -40° F to +176° F/-40° C to +80° C (stored)<br>-4° F to +140° F/-20° C to +60°C (operating) |
| Weight | 1.96 lbs./0.88 kg |
| Dimensions LxWxH | 4.2 x 8.9 x 2.4 in./107 x 225 x 62 mm |

# Product Dimensions/Drawings

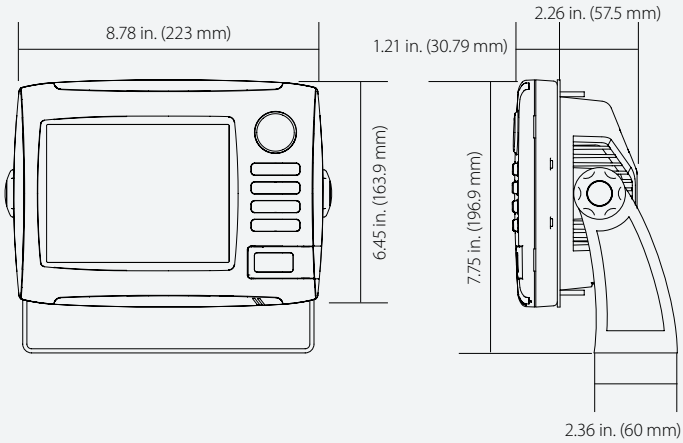
## HDS-10/10m



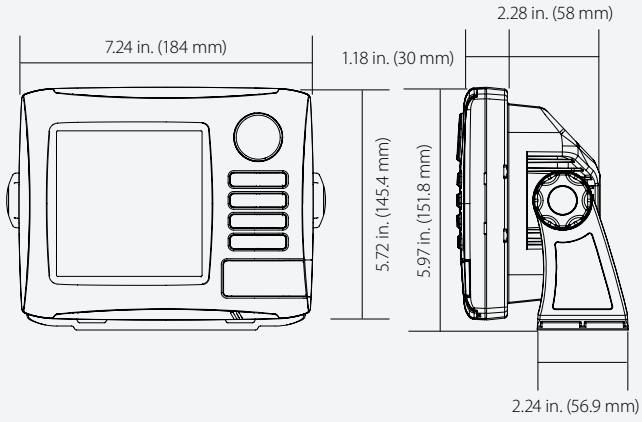

## HDS-8/8m



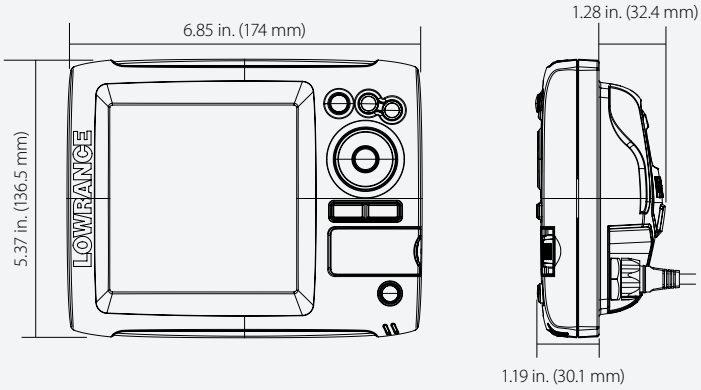

## HDS-7/7m



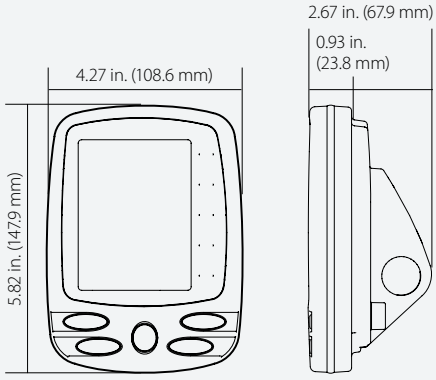

## HDS-5/5x/5m



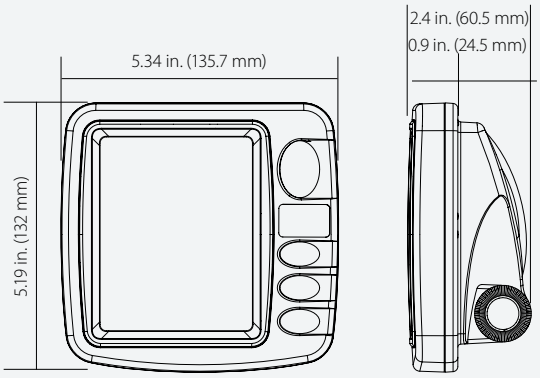
## Elite/Mark (all)



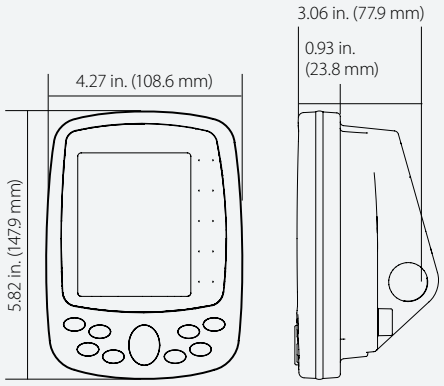

## X-4/X-4 Pro/X67c



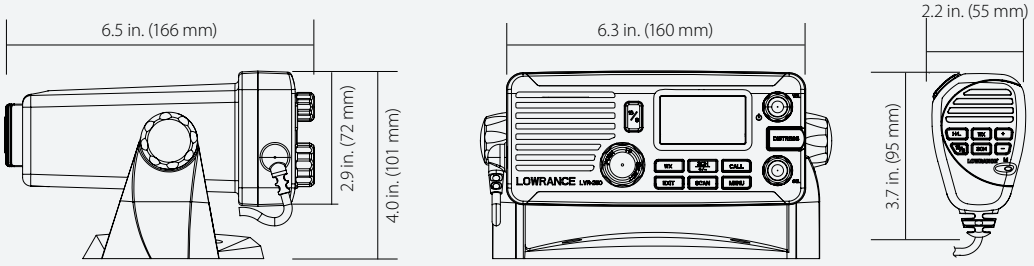

## X59/X52



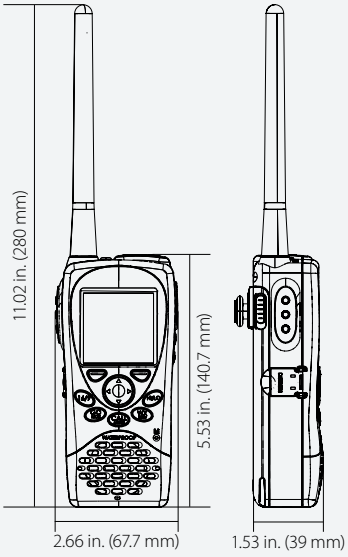

## M68c



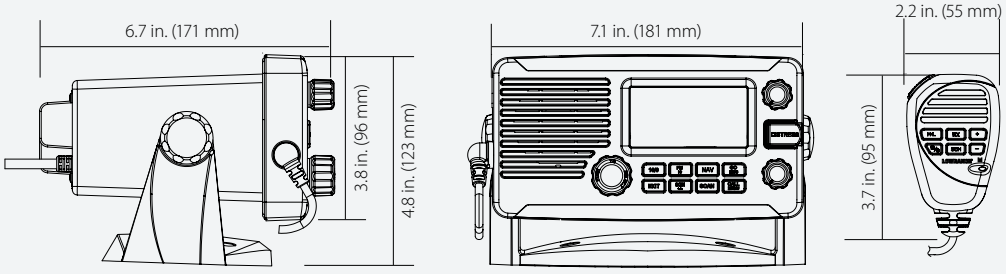

## LVR-880




## LHR-80

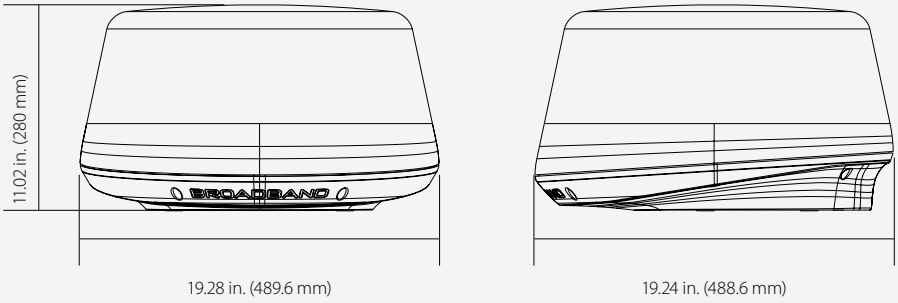



## LVR-250

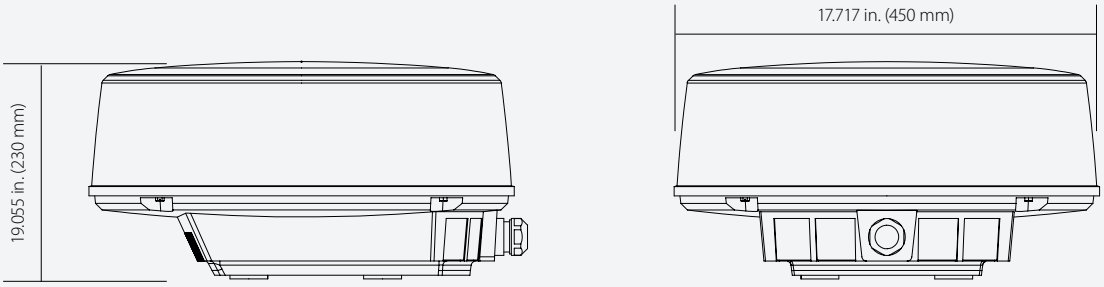


# Product Dimensions/Drawings

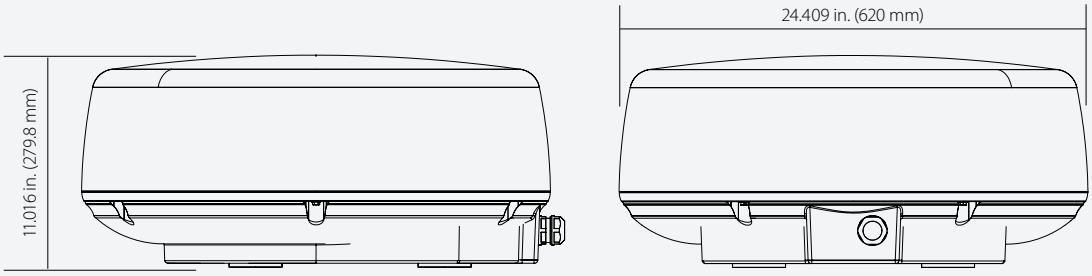
## 3G




## LRA-1800




## LRA-2400

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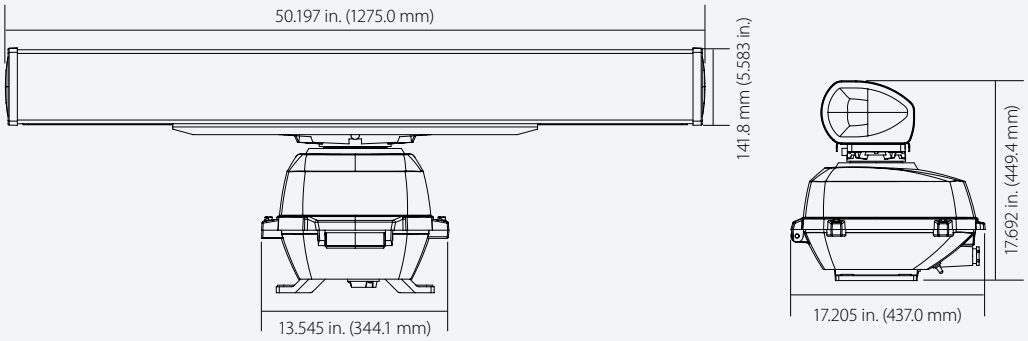
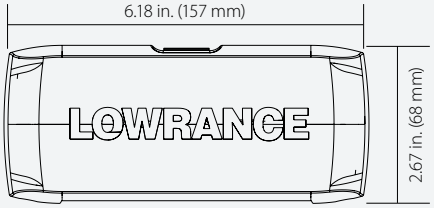
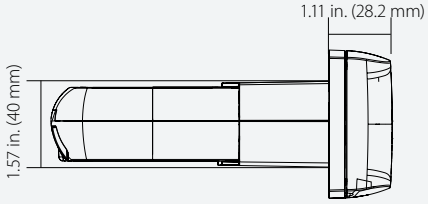
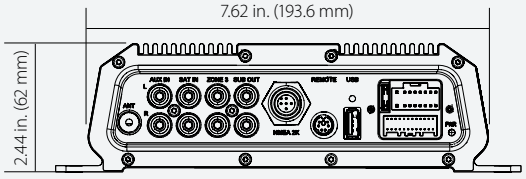
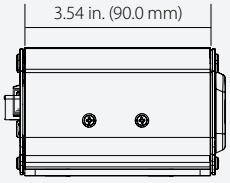


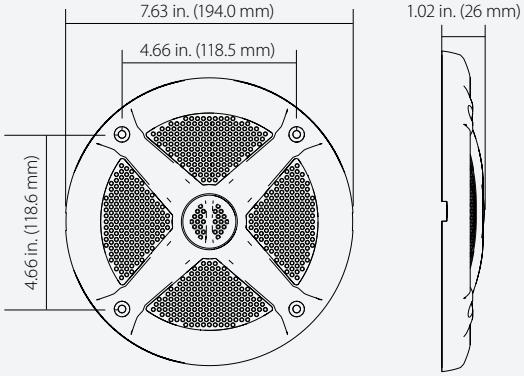
## SonicHub™

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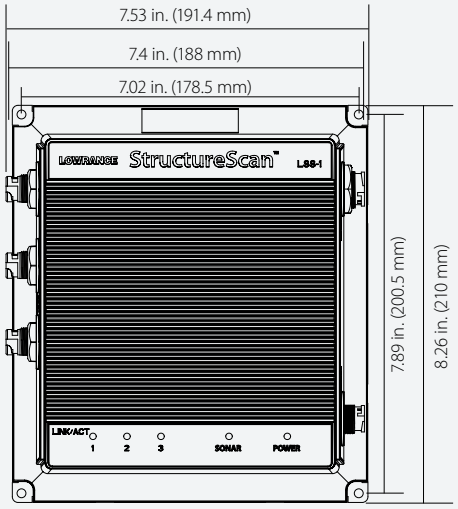


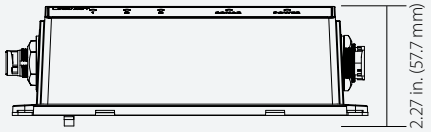


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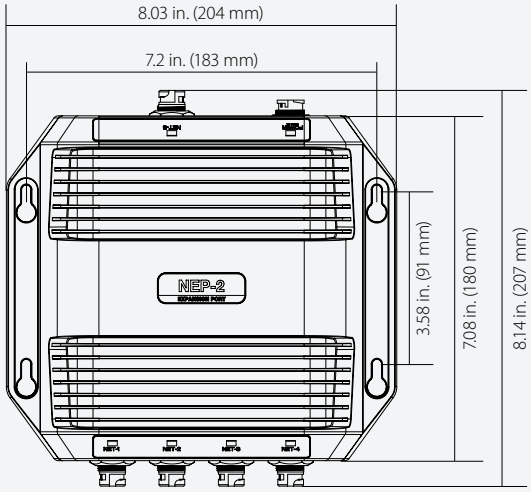
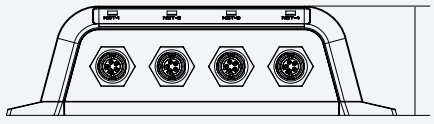
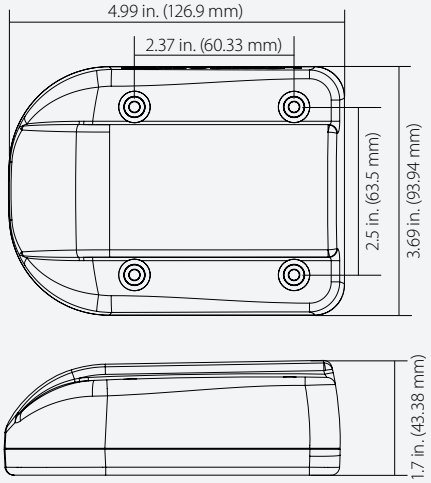


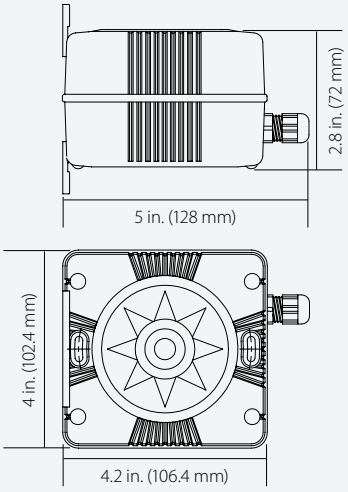



# Product Dimensions/Drawings

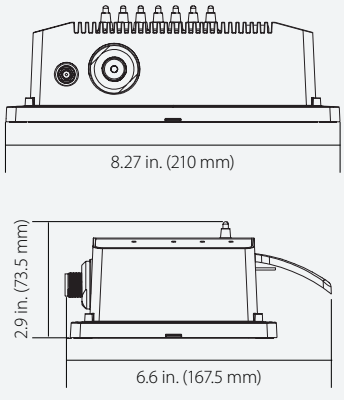
## LWX-1




## RC42




## NAIS-300

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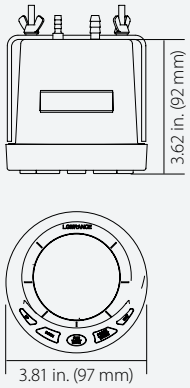


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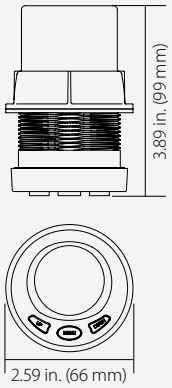
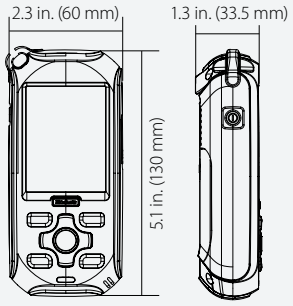
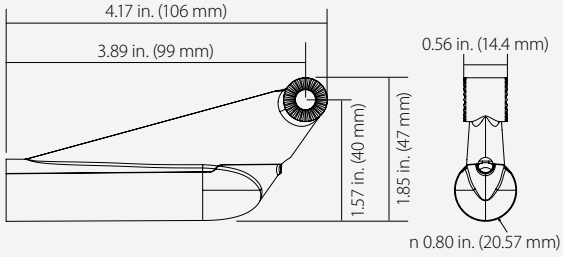


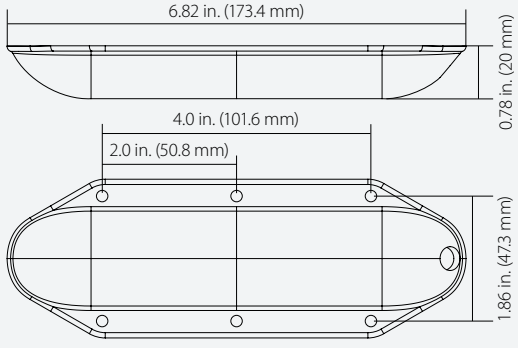

## Endura™



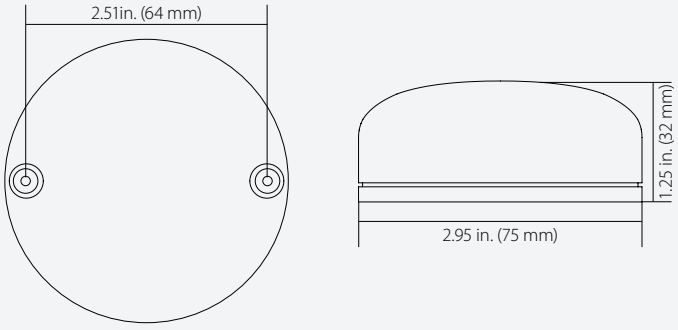

## Skimmer® DSI Imaging transducer




## StructureScan™ Imaging transducer




## LGC-4000



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