

Lowrance Elite-7 FAQ

What is HDI?

Hybrid Dual Imaging, or HDI, is the new sonar technology from Lowrance. HDI combines the BroadBand™ technology found in the traditional sonar of the HDS series with the DownScan Imaging™ technology found in the Mark/Elite DSI series. This capability allows the user to have unparalleled image definition and clarity in any water column.

What networking capabilities does Elite-7 have?

The Lowrance Elite-7 does come with a NMEA2000® port that can be found on the back with the Power and Sonar connectors. Currently, the Elite-7 will allow for external GPS data input and waypoint sharing via a NMEA2000® connection.

What are the transducer options for Elite-7?

The Elite-7 uses the same Lowrance Blue-connector transducer and power inputs that are found on the current HDS line of products. This means the Elite-7 is compatible with any Lowrance Blue-connector transducer, including Airmar. However, the HDI transducer is the only one that contains both traditional sonar and DownScan™ views. This means, that the user will not have DownScan Imaging™ when the Elite-7 is connected to any other transducer other than an HDI.

Because the HDI transducer utilizes the Lowrance Blue-connector it can also be plugged into a Lowrance HDS Gen2 Touch and provide traditional sonar along with DownScan™ Imaging. This makes it an ideal transducer for mounting to a trolling motor.

The HDI transducer is only compatible with the Elite-7 and HDS Gen2 Touch for DownScan™. If plugged into an HDS Gen2 or Gen1, the unit will only yield traditional sonar images.

What is special about the HDI transducer?

The HDI transducer is capable of producing both a traditional sonar image and a Lowrance DownScan Image™.

The HDI transducer comes in two frequency configurations, 83/200/455/800kHz and 50/200/455/800kHz. In both instances the 455/800kHz frequencies are what produce the DownScan Image™ and either the 83/200kHz or 50/200kHz frequencies produce the traditional sonar image.

- 455/800kHz DownScan Imaging™ is capable of maintaining depth and water column information to 300 feet deep.
- 83/200kHz traditional sonar imaging is capable of maintaining depth and water column information to 1,000 feet deep.
- 50/200kHz traditional sonar imaging is capable of maintaining depth and water column information to 2,500 feet deep.

It is important to choose the correct transducer for your application.

While both transducers feature the standard Lowrance Skimmer® style transom mount, the 83/200 HDI transducer also features a modular design found in current DSI transducers. This modular design allows for an optional low profile trolling motor mount to reduce impacts to the transducer. Due to the overall size of the 50/200kHz HDI transducer does not feature this modular design.

What is different, or the same, between an Elite-7 HDI and an HDS-7 Gen2 (non-Touch)?

Elite-7 HDI	HDS-7 Gen2 (non-Touch)
Features Lowrance DownScan Imaging™ as well as traditional sonar with ASP™ and TrackBack™ standard. Not compatible with Lowrance StructureScan	Standard with traditional sonar with ASP™ and TrackBack™, optional StructureScan capability to produce Down- and Side-Imaging
DownScan™ overlay standard	DownScan™ overlay capable (when connected to a Lowrance StructureScan™ module)
Lowrance Blue-connectors	Lowrance Blue-connectors
NMEA2000® networking (for external GPS and waypoint sharing only), NMEA0183® networking, does not have an Ethernet port	Full NMEA2000® and NMEA0183® networking and Ethernet capability (compatible with all Lowrance Ethernet devices)
MicroSD card slot (1)	Standard size SD card slot (1)
Detailed U.S. background map, with optional charting upgrades to Lake and Nautic Insight PRO as well as Navionics® Gold and HotMaps® Premium, Fishing Hotspots® PRO and Navico Cartography Toolkit developer content	Built-in Insight USA mapping, with optional charting upgrades to Lake and Nautic Insight PRO or HD, as well as Navionics® Gold and HotMaps® Premium, Platinum and Platinum+, Fishing Hotspots® PRO and Navico Cartography Toolkit developer content
8 preset page layouts	Page layouts change depending on networked peripherals
New gimbal bracket manages cables and covers the pass through, eliminating the need for clamshell covers	Standard metal Lowrance gimbal bracket

How does Elite-7 HDI compare to Elite-5 and Elite-5 DSI?

Elite-7 HDI	Elite-5	Elite-5 DSI
7" Widescreen (70% larger than comparable 5" screen models)	5" square aspect ratio	5" square aspect ratio
Traditional Sonar and DownScan Imaging™	Traditional Sonar	DownScan™ Imaging
Capable of accepting all Lowrance Blue-connector transducers	Lowrance D-connector only	Lowrance DSI connector only
NMEA2000® networking (external GPS and waypoint sharing only)	No networking capability	No networking capability
Built in GPS	Built in GPS	Built in GPS
New gimbal bracket manages cables and covers the pass through, eliminating the need for clamshell covers	Lowrance Tilt/Swivel quick release mount	Lowrance Tilt/Swivel quick release mount

What accessories are available for the Elite-7?

- Trolling motor adapter for 83/200kHz HDI transducer
 - Lowrance part number **000-10978-001**
- Elite-7 Sun Cover
 - Lowrance part number **000-11069-001**
- Elite-7 flush mount kit
 - Lowrance part number **000-10979-001**