

# TO RISE HIGHER, REACH DEEPER.

**OYAHA** 

The next challenge. The next big catch. If you're the type who always wants more, you'll find it here. Precise chartplotting. Crystal-clear sonar. Unrelenting reliability. And everything else you need to make every fishing day more successful. So dig deep, and stay hungry. Your ascent has only begun.











# WELCOME TO THE ONE-BOAT NETVORK

Humminbird<sup>®</sup>, Minn Kota<sup>®</sup> and Cannon<sup>®</sup> share more than just a physical address. We share a passion for fishing and a mission to craft gear that lets you enjoy your time on the water even more. That's why we created the One-Boat Network<sup>®</sup>: a commitment to make the most advanced fishing gear even better, by making it work together. Our engineering teams constantly look for ways our products can seamlessly integrate and communicate, unlocking more features, capabilities and potential for anglers everywhere.

HUMMINBIRD.

MINN KOTA

CANNON.





#### AUTOMATIC NAVIGATION

Focus on fishing, and let your Humminbird do the rest. From your fish finder, select a depth contour (or the shoreline) and activate Follow. Your motor will kick in, find the contour and automatically run your boat along it.



#### TROLLING MOTOR CONTROL

Mind over motor. Direct from your Humminbird unit, take command of your trolling motor to easily steer, engage Spot-Lock<sup>™</sup>, and even stow or deploy an Ulterra<sup>®</sup> motor with a touch of the Humminbird display.

INSTANT ANCHORING Hold it right there. Bluetooth®-capab

Hold it right there. Bluetooth®-capable Humminbird models can communicate wirelessly with Minn Kota Talon and Raptor shallow water anchors to deploy, retract and adjust anchor settings.





#### PRECISION FISHING

Stay on target. Control up to four Cannon Optimum<sup>™</sup> downriggers right from your Humminbird display and control downrigger operations and settings either together or individually.



#### ON-THE-GO ACCESS

Take Humminbird with you. The FishSmart app lets you transfer software updates wirelessly to your Humminbird unit, view and manage your network and connect with technical support.



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SELEC	TIOI	N GUIDE							Sonar			t <sup>®</sup> Live	Be		Good	Best	2 <b>D</b> Good							SOL	og 38-39 )
		rd lineup, this is your guide. ndation based on your specific ls.			Touch Screen	https://www.alicearchitec.com	Ethernet Networking	Dual Port Ethernet	annel CHIRP	\ 2000® In / Out	III/ OUL	emap & AutoChart®	MEGA Side Imaging $^{\odot}$	MEGA Down Imaging^{\odot}	Side Imaging® Down Imaging®	Dual Spectrum CHIRP	leam	MEGA Live Imaging	MEGA 360 Imaging®	i-Pilot Link	CHIRP Radar	NMEA 2000 External GPS Rereiver	AIS Compatible	GPS with Heading Sensor	Premium Map Cards (pg 38-39)
		Model	Display	Part Number	Touch	Wi-Fi	Ethernet N	Dual I	Dual (	NMEA	GPS	Baser	MEGA	MEGA	Side I Down	Dual 9	DualBeam	MEGA	MEGA	i-Pilo	CHIRF	Fxtern	AIS Co	GPS v	Premi
NETWORKING	MEGA SI MODELS	APEX 19 · MSI+ Chartplotter APEX 19 · MSI+ Chartplotter (CHO) APEX 16 · MSI+ Chartplotter APEX 16 · MSI+ Chartplotter (CHO) APEX 13 · MSI+ Chartplotter APEX 13 · MSI+ Chartplotter (CHO)	18.5"   Full HD 1920x1080 18.5"   Full HD 1920x1080 15.6"   Full HD 1920x1080 15.6"   Full HD 1920x1080 13.3"   Full HD 1920x1080 13.3"   Full HD 1920x1080	411500-1CHO 411470-1	<b>~</b>	~ ~	/ ~	~	~	~ ~	/ ~	~	~	~		~		~	~	~	~ `	/ ~	~	~	~
SOLIX NETWORKING	MEGA SI MODELS	SOLIX 15 • MEGA SI+ GPS G3 SOLIX 15 • MEGA SI+ GPS G3 (CHO) SOLIX 12 • MEGA SI+ GPS G3 SOLIX 12 • MEGA SI+ GPS G3 (CHO) SOLIX 10 • MEGA SI+ GPS G3 SOLIX 10 • MEGA SI+ GPS G3 (CHO)	15.4"   HD 1280x800 15.4"   HD 1280x800 12.1"   HD 1280x800 12.1"   HD 1280x800 10.1"   HD 1280x800 10.1"   HD 1280x800 10.1"   HD 1280x800	411570-1 411570-1CH0 411550-1 411550-1CH0 411530-1 411530-1CH0	~	~ ~	/ ~			~	~	~	~	~		~		~	~	~	~ `	/ ~	~	~	~
HELIX NETWORKING DNE-BDAT NETWORK	MEGA SI MODELS	HELIX 15 • MEGA SI+ GPS G4N HELIX 15 • MEGA SI+ GPS G4N (CHO) HELIX 12 • MEGA SI+ GPS G4N HELIX 12 • MEGA SI+ GPS G4N (CHO) HELIX 10 • MEGA SI+ GPS G4N HELIX 10 • MEGA SI+ GPS G4N HELIX 9 • MEGA SI+ GPS G4N (CHO)	15.1"   HD 1280x800 15.1"   HD 1280x800 12.1"   HD 1280x800 12.1"   HD 1280x800 10.1"   HD 1024x600 10.1"   HD 1024x600 9"   HD 1024x600 9"   HD 1024x600	411320-1 411320-1CHO 411450-1 411450-1CHO 411420-1 411420-1CHO 411380-1 411380-1CHO		~ ~	/ ~	•		~	~	~	~	~		~		~	~	~	~ `	/ ~	~	~	~
		HELIX 8 • MEGA SI+ GPS G4N HELIX 8 • MEGA SI+ GPS G4N (CHO)	8"   HD 1024x600 8"   HD 1024x600	411350-1 411350-1CHO		~ ~	/ ~	•		~	~	~	~	~		$\checkmark$		~	~	~	~ `	/ ~	· ~	$\checkmark$	~
		HELIX 7 • MEGA SI GPS G4N	7"   HD 1024x600	411650-1		< <	/ /	•		$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$		$\checkmark$		/ ~	' <b>~</b>	$\checkmark$	$\sim$
	MEGA DI MODELS	HELIX 15 · MEGA DI+ GPS G4N (CHO) HELIX 12 · MEGA DI+ GPS G4N HELIX 12 · MEGA DI+ GPS G4N (CHO) HELIX 10 · MEGA DI+ GPS G4N (CHO) HELIX 10 · MEGA DI+ GPS G4N (CHO) HELIX 9 · MEGA DI+ GPS G4N (CHO)	15.1"   HD 1280x800 12.1"   HD 1280x800 12.1"   HD 1280x800 10.1"   HD 1024x600 10.1"   HD 1024x600 9"   HD 1024x600 9"   HD 1024x600	411310-1CHO 411440-1 411440-1CHO 411410-1 411410-1CHO 411370-1 411370-1CHO		~ ~	/ ~	•		~	~	~		~		~		~	~	~	~ `	/ ~	~	~	~
		HELIX 8 · MEGA DI GPS G4N HELIX 8 · MEGA DI GPS G4N (CHO)	8"   HD 1024x600 8"   HD 1024x600	411340-1 411340-1CHO		~ ~	/ ~	•		~	$\checkmark$	~		~		~		$\checkmark$		~		/ ~	· ~	$\checkmark$	~
		HELIX 7 · MEGA DI GPS G4N HELIX 7 · MEGA DI GPS G4N (CHO)	7"   HD 1024x600 7"   HD 1024x600	411640-1 411640-1CHO		~ ~	/ ~	•		~	~	~	$\checkmark$	~		~		~		~	~ `	/ ~	· ~	~	~
	CHIRP MODELS	HELIX 12 · CHIRP GPS G4N HELIX 10 · CHIRP GPS G4N HELIX 9 · CHIRP GPS G4N HELIX 8 · CHIRP GPS G4N	12.1"   HD 1280x800 10.1"   HD 1024x600 9"   HD 1024x600 8"   HD 1024x600	411430-1 411400-1 411360-1 411330-1		~ ~	/ ~	•		~	~	~				~				~	~ `	/ ~	~	~	~
		HELIX 7 · CHIRP GPS G4N	7"   HD 1024x600	411630-1		<b>~ ~</b>		•		$\checkmark$	$\checkmark$	$\checkmark$				$\checkmark$				$\checkmark$		/ ~	<hr/>	$\checkmark$	$\checkmark$
	MEGA SI & SI	HELIX 7 • MEGA SI GPS G4	7"   HD 1024x600	411620-1							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$									$\checkmark$
HELIX	MODELS	HELIX 7 · CHIRP SI GPS G4	7"   HD 1024x600	411590-1							$\checkmark$				$\checkmark$	$\checkmark$									$\checkmark$
NON-NETWORKING		HELIX 7 · MEGA DI GPS G4	7"   HD 1024x600	411610-1								×		$\checkmark$		$\checkmark$									$\checkmark$
	MEGA DI & DI MODELS	HELIX 5 • CHIRP DI GPS G3 HELIX 5 • DI G2	5"   HD 800x480 5"   HD 800x480	411670-1 410200-1							$\checkmark$				<ul> <li></li> <li></li> </ul>		~								$\checkmark$
	CHIRP	HELIX 5 · CHIRP GPS G3	5"   HD 800x480	410200-1											V		V								
	MODELS	HELIX 5 · CHIRP GPS G3 (PT)	5"   HD 800x480	411680-1							$\checkmark$	~				~									$\checkmark$
	DUALBEAM MODELS	HELIX 5 · SONAR G2 HELIX 5 · SONAR G2 (PT)	5"   HD 800x480 5"   HD 800x480	410190-1 410250-1													~								
		<b>CHO</b> = Control Hoad Only (Transducer not included)   <b>PT</b> =	Portable (Includes carry case and batter	v)   <b>AS</b> = All Season (I	ncludos ov	ervthing	needer	l for ice :	and oner	water fis	:hing)		<b>SI</b> = Sid	e Imagii	nσ   <b>ΠΙ</b> =[	)own Ima	aina I	<b>20</b> = Tra	ditional	Sonar					

CHO = Control Head Only (Transducer not included) | PT = Portable (Includes carry case and battery) | AS = All Season (Includes everything needed for ice and openwater fishing)

SI = Side Imaging | DI = Down Imaging | 2D = Traditional Sonar



### WHAT TECHNOLOGIES ARE IN EACH MODEL?

The product name is your first clue to what technologies your Humminbird offers. Use the key below for help interpreting:

#### NETWORKING MODELS

All APEX<sup>™</sup>, SOLIX<sup>®</sup> and HELIX<sup>®</sup> G4N models support networking features.

#### - SONAR TECHNOLOGIES

Each model includes the sonar listed in its name, plus the sonars listed below:

#### MEGA SI models include:

MEGA Side Imaging MEGA Down Imaging Dual Spectrum CHIRP MEGA DI models include: MEGA Down Imaging Dual Spectrum CHIRP

#### CHIRP models include: Dual Spectrum CHIRP

NAMING SYSTEM

Series Name Highest Level	Sonar	Series Version	
HELIX 10 MEGA	SI+·GPS	G4N	
Screen Size	GPS Built-In	Network Capable	
Series Name Highest Leve	l Sonar	Series Version	
SOLIX 12 MEGA	SI+ · GPS GPS Built-Ir	G3	
Screen Size	UP3 DUIIt-II	I	
Series Name Highest Level Sonar			
APEX 16 MEGA SI+	CHART	PLOTTER	
Screen Size	GPS	Built-In	
×	HUMM	INBIRD.	6   7

**NEW MEGA** LIVE IMAGING

MEGA SIDE IMAGING

**MEGA** DOWN IMAGING

MEGA 360 IMAGING

# BRING FISH INTO FOCUS.

How well do you know the waters you fish? Not as well as you might think. From coast to coast, more anglers are finding fish they didn't know were there, thanks to the clarity of MEGA Imaging, pioneered by Humminbird and built into APEX, SOLIX and select HELIX Series models. Using this high-frequency sonar, you can easily distinguish baitfish from gamefish, see the direction fish are facing and even target individual species. Choose MEGA Side Imaging for an incredible view to the left and right of your boat. Opt for MEGA Down Imaging for a crystal-clear picture below your boat. Put yourself at the center of the underwater scene with MEGA 360 Imaging, revealing every detail in every direction. Or, for must-watch detail and non-stop action, switch on new MEGA Live Imaging and see a real-time view of what's below and around your boat. With MEGA Imaging, the options are endless, and if you're crafty enough, your fishing streak can be, too.



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#### HUMMINBIRD

# **MEGA IMAGING**



# **MEGA LIVE IMAGING**

It's showtime. We've expanded the performance of our MEGA Imaging technology with the introduction of MEGA Live Imaging<sup>™</sup>. This new sonar technology delivers the clarity of MEGA Imaging in live action, allowing you to see fish and rest of the underwater world in incredible detail, even watching fish as they move in to bite your lure. MEGA Live Imaging views are provided by an accessory transducer that is compatible with select HELIX, SOLIX and APEX models.

#### COMPATIBLE MODELS

» APEX (all models) | SOLIX (all models) | HELIX 7-15 G4N (MEGA Imaging models) | HELIX 8-12 G3N (MEGA Imaging models)

DOWN MODE Watch it all go down. This transducer angle is ideal for seeing detailed images of structure

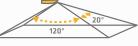
and fish swimming underneath your boat, ving you to easily drop them a line.





Keep a sharp lookout. Perfect for gathering makes full use of your widescreen display to show you what's ahead of your boat in lear detail

# 120° OPTIMAL BEAM WIDTH to Maximize Fishability



## LANDSCAPE MODE

intel in shallow water, this transducer angle

# MEGA 360 IMAGING

Surround yourself with more detail than ever before. MEGA 360 Imaging sweeps up to 125 feet in every direction around your boat to deliver the clearest images you've ever seen of structure, the bottom and fish, even while you're sitting still. That means more accurate casts, more unforgettable moments and more incredible MEGA Imaging-all around.

#### COMPATIBLE MODELS

» APEX (all models) | SOLIX (G2/G3 models) HELIX 8-15 G4N (MEGA Imaging+™ models) HELIX 8-12 G3N (MEGA Imaging+ models)

# **MEGA SIDE IMAGING**

Humminbird Side Imaging uses an ultra-thin beam to take a "sonar snapshot" of the area to the left and right of your location. The return image for this slice is then added to the images taken immediately before and after to build an incredibly detailed view of the bottom. The dark, center portion of the screen represents the column of water below your boat. The lighter portions on the far left and right of the screen show you the bottom below and to the left and right of your boat. Keep in mind, Side Imaging is a record of the water and terrain your boat has already passed over. Structure will appear as a clearly defined bright shape with an adjacent dark sonar "shadow." Generally, long shadows indicate the object is tall and small shadows indicate something short.

#### COMPATIBLE MODELS

» APEX (MEGA Imaging+ models) | SOLIX G2/G3 (MEGA Imaging+ models) HELIX 8-15 G4N (MEGA Imaging+ models) | HELIX 7 G4/G4N (MEGA Imaging models)

# **MEGA DOWN IMAGING**

Like MEGA Side Imaging, Humminbird Down Imaging uses a razor-thin, high-frequency beam to create picture-like images of structure, vegetation and fish. But unlike MEGA Side Imaging, Down Imaging returns are oriented identically to traditional, down-looking sonar returns-with the mostrecent information appearing on the right side of the screen.

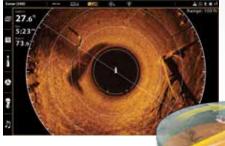
#### COMPATIBLE MODELS

» APEX (MEGA Imaging+ models) | SOLIX G2/G3 (MEGA Imaging+ models) HELIX 9-15 G4N (MEGA Imaging+ models) HELIX 7 G4/G4N and HELIX 8 G4N (MEGA Imaging models)



HUMMINBIRD MEGA IMAGING TECHNOLIGIES ARE PART OF THE ONE-BOAT NETWORK

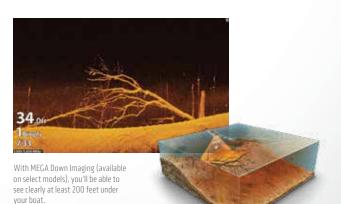




An optional accessory available for select models, the MEGA 360 Imaging transducer beam reveals a circular area with a diameter of 125 feet.



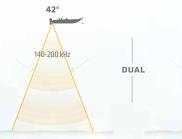
With MEGA Side Imaging (available on select models), you'll be able to see clearly at least 200 feet on either side



# HUMMINBIRD **DUAL SPECTRUM** CHIRP

# **BEGIN YOUR SEARCH** WITH BETTER HARDWARE.

Don't let the pretty pictures fool you. Our proprietary, Low Q CHIRP transducer is the real hero. Using more coverage to detect fish, structure and the bottom, this workhorse makes possible the highly defined fish arches and clear target separation of Dual Spectrum CHIRP Sonar. Ounce for ounce, pulse for pulse, it's the best sonar in its class. No contest. Available on APEX, SOLIX and select HELIX models.



WIDE MODE Maximum Coverage

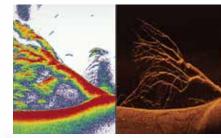
Search far and wide. Opt for Wide Mode when vertical jigging, in shallow water or when you just want to see a wider view of the world below.

#### NARROW MODE Maximum Detail

Hone in on the small stuff that makes a big difference. Narrow Mode lets you target individual fish, or separate fish from structure and the bottom with laser precision.

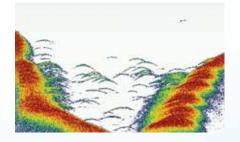
#### STRONG RETURNS WITHOUT NOISE

Stop seeing things that aren't there. A high signal-tonoise ratio translates to better defined targets, less clutter and greater certainty that what you're looking at on-screen is legit.



# SEPARATION

Separating fish from their habitat is the name of the game. And now, you'll be able to more easily tell the difference between bait and game fish, and nearby structure and vegetation.



## DUAL CHANNEL SONAR SUPPORT

It's our job to give you every possible advantage as an angler. For deep water, pelagic applications, Humminbird is proud to offer Dual Channel Sonar Support for Airmar® accessory transducers with the APEX Series, in addition to industry-leading MEGA Side Imaging+™, MEGA Down Imaging+™ and Dual Spectrum CHIRP sonar standard. With even more performance from a dedicated sonar channel for up to 2kW, plus integrated transducer ID for fast and easy setup, you'll see pristine Airmar CHIRP returns on your APEX display at depths as much as 3,500 feet. Visit Airmar.com for more information.

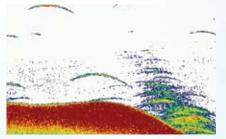




# SUPERIOR TARGET

#### CLEARLY DEFINED FISH ARCHES

We've got bad news for your arch nemesis. Large game fish will show up on your screen as long, well-defined arches, for quick identification and accurate lure presentation.





# **APEX** SERIES

# CLARITY HAS REACHED A NEW PEAK.

Welcome to the top. The new APEX Series delivers the clearest view of sonar and charts to hit saltwater.
Know exactly what's under and around your boat, viewing fish, structure, surroundings and points of interest on the crystal-clear, full-HD screen. Add the power of advanced networking features like NMEA 2000,
Dual Ethernet ports and the One-Boat Network to unlock even more fish-finding and boat-control capabilities.
Built specifically for serious anglers, the APEX Series can help take your fishing success to the next level.

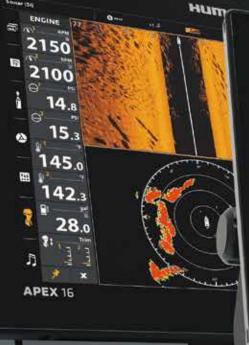


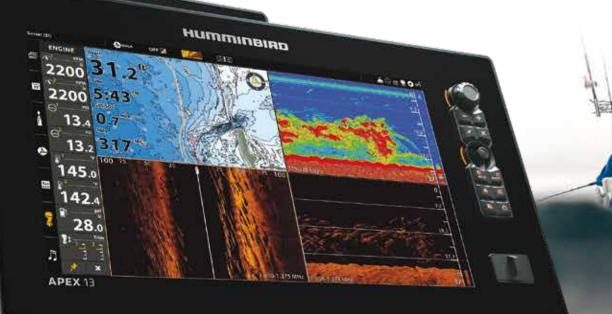
# SEAMLESS FISHING

Rig your boat to give yourself the ultimate advantage on the water. The APEX Series provides advanced networking options you would expect, plus premium options like Dual Channel CHIRP Sonar, dual Ethernet ports, HDMI video input/outputs and CZONE digital switching support. With the option to customize screen combinations and data readouts, you can take full advantage of your fully connected fishing machine.











# LOOK SHARP

The slim-fit, full-HD Cross Touch<sup>®</sup> display of the APEX Series offers a crystal-clear view of what's below. And with multiple in-dash mounting options, its sleek design will look just as sharp on your helm. From sonar to navigation to vessel information, the full-HD screen brings every detail to life with eye-popping clarity, so you can find and catch more fish.



FULL-HD DISPLAY 1920x1080

CROSS TOUCH

DUAL CORE PROCESSOR

CONNECTIVITY Ethernet (Dual Ports) Bluetooth Wi-Fi NMEA 2000 HDMI Video In/Out CZONE Digital Switching CHIRP Radar AIS VHF Radio

SONAR MEGA Imaging+ Dual Spectrum CHIRP Dual Channel CHIRP Sonar MEGA 360 Imaging\* MEGA Live Imaging\*

GPS/CHARTS Built-In GPS Humminbird BaseMap AutoChart Live LakeMaster®\* CoastMaster\* Navionics\*



\*Compatible



NETWORKING



APEX Series is part of the One-Boat Network (See page 4).



# APEX SERIES | MEGA SI+ CHARTPLOTTER

Feast your eyes. Choose the APEX Series display that best matches your requirements and console dimensions. All APEX models are compatible with the One-Boat Network and offer a full complement of Humminbird sonar and mapping technologies, starting with the incredible clarity of MEGA Side Imaging+"



**APEX 19** MEGA SI+ CHARTPLOTTER FULL 🖽 18.5" DISPLAY / 1920H X 1080V #411240-1 #411240-1CHO (CONTROL HEAD ONLY)

**APEX 16** MEGA SI+ CHARTPLOTTER FULL 🖽 15.6" DISPLAY / 1920H X 1080V #411500-1 #411500-1CHO (CONTROL HEAD ONLY)

**APEX 13** MEGA SI+ CHARTPLOTTER FULL 🖽 13.3" DISPLAY / 1920H X 1080V #411470-1 #411470-1CHO (CONTROL HEAD ONLY)

CHIRP R A D A R



Products shown with optional CoastMaster charts. Features and specs are subject to change without notice.



#### CHO MODELS (CONTROL HEAD ONLY)

Want to add a new unit to an existing Humminbird network, or select your own transducer? A CHO model gives you the freedom to choose. View our accessory transducer options, including the MEGA Imaging stainless steel thru-hull, and find the right one for you on pages 42-43.

#### AIRMAR CHIRP TRANSDUCERS

The APEX Series is compatible with Airmar's CHIRP-ready transducers and includes Airmar xID for simple configuration and the best possible sonar picture. Trusted by commercial fishermen and tournament anglers everywhere, Airmar will help you find fish at depths that were previously unimaginable. Learn more at Airmar.com.





FISHSMART APP COMPATIBLE Update software and access technical upport using the FishSmart app. See details at Humminbird.com/Learn/FishSmart-App.

Humminbird LakeMaster | Humminbird LakeMaster PLUS Humminbird CoastMaster | Humminbird SmartStrike Humminbird AutoChart Live Zero Line | Navionics | Navionics+ Navionics HotMaps Platinum | Navionics Platinum+ | Minn Kota Talon Minn Kota Raptor | AIS | AutoPlot | GFS Heading Sensor S-Port Ethernet Switch | CZONE Contact 6/Contact 6 Plus & Digital Switching

HUMMINBIRD. 16 | 17

# **SOLIX** SERIES

# MORE IS MORE.

G3

Some anglers expect more-from themselves, from their tackle, from their technology. If that's you, look no further. The SOLIX Series gives you everything you need to dominate the water, with an intuitive interface, all the customization options to make it your own and now ultra-responsive performance, thanks to a new dual core processor. You'll also have access to some of the biggest innovations on the water, including MEGA Imaging, Dual Spectrum CHIRP, AutoChart Live, Wi-Fi, Bluetooth and NMEA 2000 connectivity. So stop settling for less, and get ready for more.

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SOLIX 12

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SOLIX 15



## ADVANCED NETWORKING

Supports Ethernet and Bluetooth for connection to One-Boat Network and includes compatibility for NMEA 2000, Wi-Fi, CZONE, Airmar xID, CHIRP Radar, AIS and VHF accessories.





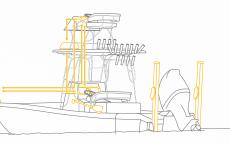
CROSS TOUCH Take command of the display like never before with Cross Touch. Everything you can do with the touchscreen, you can also do with the keypad—so rough conditions will never compromise your control.



SOLIX 10

## MAKE SOLIX YOUR OWN

Instantly take command of exclusive technologies like MEGA Imaging, Dual Spectrum CHIRP and AutoChart Live, and customize up to four independent viewing panes to your needs and situation. A customized sidebar provides quick access to your favorite views, navigational data, vessel information and accessories like Minn Kota Talon and i-Pilot Link. In addition, make SOLIX your own with the ability to customize your home screen wallpaper.





HD DISPLAY 1280x800

CROSS TOUCH INTERFACE

DUAL CORE PROCESSOR

CONNECTIVITY Ethernet Bluetooth Wi-Fi NMEA 2000 **CZONE** Digital Switching CHIRP Radar AIS VHF Radio

SONAR MEGA Imaging+ Dual Spectrum CHIRP MEGA 360 Imaging\* MEGA Live Imaging\*

GPS/CHARTS Built-In GPS Humminbird BaseMap AutoChart Live LakeMaster\* CoastMaster\* Navionics\*



\*Compatible







CROSS TOUCH"

SOLIX Series G3 is part of the One-Boat Network (See page 4).

MEGA SIDE MEGA DOWN DUAL SPECTRUM PRECISION IMAGING+" IMAGING+" CHIRP GPS

Products shown with optional LakeMaster charts. Features and specs are subject to change without notice

BASEMAP

# AUTOCHART<sup>®</sup> ETHERNET WI-FI



0

ADD ONS

# MEGALIVE MEGA360

CHIRP

# **SOLIX** SERIES **G3** MEGA SI+ · MEGA DI+ · CHIRP · GPS

Size matters. Select the SOLIX Series display that best meets your fishing needs and boat. All SOLIX models are compatible with the One-Boat Network and offer a complete arsenal of Humminbird sonar and mapping technologies, starting with the incredible clarity of MEGA Side Imaging+.

À

i-PILOT°



🖽 15.4" DISPLAY / 1280H X 800V #411570-1 #411570-1CHO (CONTROL HEAD ONLY)

SOLIX 12 MEGA SI+ GPS G3 12.1" DISPLAY / 1280H X 800V #411550-1 #411550-1CHO (CONTROL HEAD ONLY)

SOLIX 10 MEGA SI+ GPS G3 10.1" DISPLAY / 1280H X 800V #411530-1

SOLIX 15 MEGA SI+ GPS G3

#411530-1CHO (CONTROL HEAD ONLY)



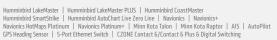
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FISHSMART APP COMPATIBLE Update software and access technical upport using the FishSmart app. See details at Humminbird.com/Learn/FishSmart-App.

# 

HELIX SERIES

# FISHING RUNS IN THE FAMILY.

G4N + G4 + G3 -----

Every moment on the water matters. Don't waste a second messing around with your fish finder. The HELIX Series puts you on fish faster with an easy-to-use interface. You'll have innovative technologies at your command with options including MEGA Imaging+, Dual Spectrum CHIRP, AutoChart Live, Ethernet, Bluetooth, Wi-Fi and NMEA 2000 connectivity. Pick your choice of screen size and choose from either the One-Boat Network-compatible HELIX G4N Series, or a standalone HELIX G4/G3 model. All are ready to fish right out of the box, because at Humminbird, simplicity is in our DNA.

## OUICK AND INTUITIVE KEYPAD CONTROL

Master HELIX at the touch of a button. Access the preloaded views from the user-friendly menu system. Soft key controls allow you to reliably operate your fish finder in any condition.

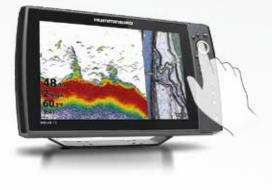


SONAR AND BUILT-IN GPS See more of what you want with innovative sonar technologies like Dual Spectrum CHIRP (2D) sonar and available MEGA Imaging+. Built-in GPS and Humminbird Basemap will show you the way, with premium chart options from CoastMaster, LakeMaster and Navionics.

## NETWORKING COMPATIBLE

HELIX G4N Series comes standard with Ethernet networking and Bluetooth connectivity, allowing





# INDUSTRY-LEADING





HD DISPLAY 1280x800 15" | 12" mode

1024x600 10" | 9" | 8" | 7" mo 800x480 5" mode

#### CONNECTIVITY

Ethernet Bluetooth Wi-Fi NMEA 2000 CHIRP Radar

SONAR MEGA Imaging+ Dual Spectrum CHIRP MEGA 360 Imaging\* MEGA Live Imaging\*

GPS/CHARTS Built-In GPS Humminbird BaseMap AutoChart Live LakeMaster\* CoastMaster\* Navionics\*



\*Compatible

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**G4N** NETWORKING



HELIX Series G4N/G3N is part of the One-Boat Network (See page 4).

GPS

Products shown with optional LakeMaster charts.

Features and specs are subject to change withou

# **HELIX** SERIES MEGA SI · MEGA DI · CHIRP · GPS

Get everything, plus the kitchen sink. These HELIX Series models are One-Boat Network compatible and fully stocked with Humminbird innovations, from incredible MEGA Side Imaging on down the line. Choose from a variety of screen sizes to match your fishing needs and boat.





WI-FI

ETHERNET

BASEMAP LIVE

HELIX 15 MEGA SI+ GPS G4N 🖽 15.4" DISPLAY / 1280H X 800V #411320-1 | #411320-1CHO (CONTROL HEAD ONLY)

HELIX 12 MEGA SI+ GPS G4N 12.1" DISPLAY / 1280H X 800V #411450-1 | #411450-1CHO (CONTROL HEAD ONLY)

HELIX 10 MEGA SI+ GPS G4N 10.1" DISPLAY / 1024H X 600V #411420-1 | #411420-1CHO (CONTROL HEAD ONLY)

HELIX 9 MEGA SI+ GPS G4N 🖽 9" DISPLAY / 1024H X 600V #411380-1 | #411380-1CHO (CONTROL HEAD ONLY)

HELIX 8 MEGA SI+ GPS G4N HD 8" DISPLAY / 1024H X 600V #411350-1 | #411350-1CHO (CONTROL HEAD ONLY)

ADD ONS

MEGA LIVE

MEGA 360

HELIX 7 MEGA SI GPS G4N HD 7" DISPLAY / 1024H X 600V #411650-1

🛞 Bluetooth°

NMEA

# HELIX SERIES MEGA DI · CHIRP · GPS

Look out below. Starting with MEGA Down Imaging, these HELIX Series models offer a clearer view of what's underneath your boat, plus One-Boat Network compatibility and a strong mix of other sonar and mapping technologies. Select the screen size that best matches your needs.



i-PILOT°

CHIRP R A D A R

HELIX 15 MEGA DI+ GPS G4N 15.4" DISPLAY / 1280H X 800V #411310-1CHO (CONTROL HEAD ONLY)

HELIX 12 MEGA DI+ GPS G4N HD 12.1" DISPLAY / 1280H X 800V #411440-1 | #411440-1CHO (CONTROL HEAD ONLY)

HELIX 10 MEGA DI+ GPS G4N HD 10.1" DISPLAY / 1024H X 600V #411410-1 | #411410-1CHO (CONTROL HEAD ONLY)

HELIX 9 MEGA DI+ GPS G4N 1024H X 600V #411370-1 | #411370-1CHO (CONTROL HEAD ONLY)

HELIX 8 MEGA DI GPS G4N 🖽 8" DISPLAY / 1024H X 600V #411340-1 | #411340-1CHO (CONTROL HEAD ONLY)

HELIX 7 MEGA DI GPS G4N HD 7" DISPLAY / 1024H X 600V #411640-1 | #411640-1CHO (CONTROL HEAD ONLY)

Humminbird LakeMaster | Humminbird LakeMaster PLUS Humminbird CoastMaster | Humminbird SmartStrike Humminbird AutoChart Live Zero Line | Navionics | Navionics+ Navionics Holdmaps Platinum | SM3000 Blackbox CHIRP Minn Kota Talon | Bluetooth Remote | AIS | NMEA 2000 | AutoPilot GPS Heading Sensor | 5-Port Ethernet Switch

MEGA SIDE MEGA DOWN DUAL SPECTRUM IMAGING+" IMAGING+" CHIRP

# **HELIX** SERIES CHIRP · GPS

If it's a better view you're after, start here. Offering the impressive detail of Dual Spectrum CHIRP

Sonar, these HELIX Series models capture a solid mix of features to help you catch more fish. One-Boat Network compatibility and lots of screen sizes give you plenty of options.



FISHSMART APP COMPATIBLE Update software and access technical upport using the FishSmart app. See details Humminbird.com/Learn/FishSmart-App.

HELIX 12 CHIRP GPS G4N HD 12.1" DISPLAY / 1280H X 800V #411430-1

HELIX 10 CHIRP GPS G4N Ⅲ 10.1" DISPLAY / 1024H X 600V #411400-1

HELIX 9 CHIRP GPS G4N HD 9" DISPLAY / 1024H X 600V #411360-1

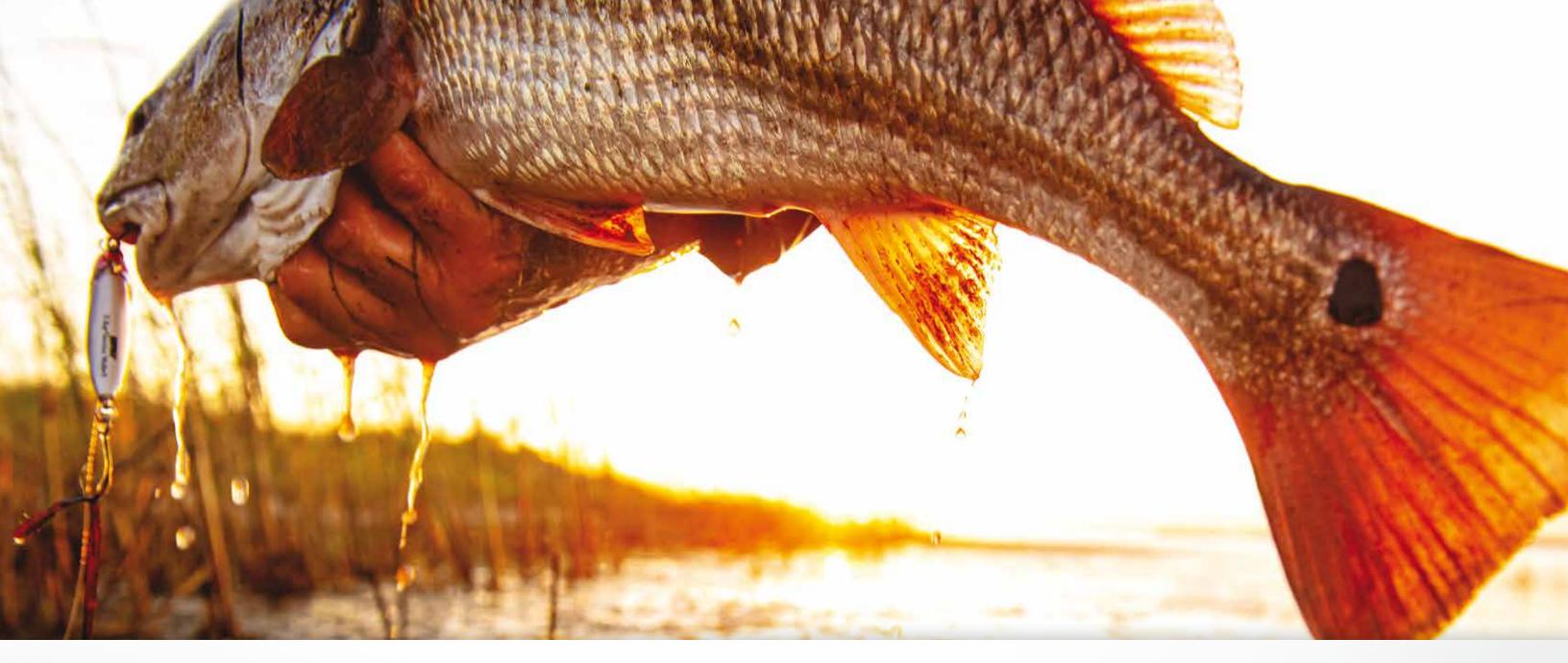
HELIX 8 CHIRP GPS G4N HD 8" DISPLAY / 1024H X 600V #411330-1

HELIX 7 CHIRP GPS G4N ■ 7" DISPLAY / 1024H X 600V #411630

**CHO MODELS** (CONTROL HEAD ONLY) Want to add a new unit to an existing Humminbird network, or select your own transducer? A CHO model gives you the freedom to choose. View our accessory transducer options, including a built-in MEGA Imaging trolling motor from Minn Kota. Find the right one for you on pages 42-43.

## HUMMINBIRD.

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# HELIX SERIES

G4+G3 NON-NETWORKING

MEGA DOWN

MEGA SIDE

Sometimes, fishing is a sport best enjoyed solo. These standalone HELIX Series fish finders offer an impressive array of features, from MEGA Imaging to Dual Spectrum CHIRP sonar, to Humminbird LakeMaster compatibility. No matter the size of your crew or your boat, there's something here for everyone.

**HELIX** SERIES SI · DI · CHIRP · GPS



**HELIX 7** MEGA SI GPS G4 **10** 7" DISPLAY / 1024H X 600V #411620-1

HELIX 7 CHIRP SI GPS 🖼 🖽 7" DISPLAY / 1024H X 600V #411590-1

**HELIX** SERIES DI · CHIRP · GPS

**HELIX** SERIES



HELIX 7 MEGA DI GPS G4 T 7" DISPLAY / 1024H X 600V #411610-1

HELIX 5 CHIRP DI GPS 🗔 #10230-1

CHIRP <sup>,</sup> GPS



HELIX 5 CHIRP GPS 🗔 10 5" DISPLAY / 800H X 480V #411660-1 #4116860-1 (PORTABLE)

SIDE CHIRP

Products shown with optional LakeMaster charts. Features and specs are subject to change without not

DUALBEAM

BASEMAP



ADD ONS

Humminbird LakeMaster | Humminbird LakeMaster PLUS | Humminbird CoastMaster | Humminbird SmartStrike Humminbird AutoChart Live Zero Line | Navionics | Navionics+ | Navionics HotMaps Platinum | Navionics Platinum+

## **HELIX** SERIES DI / DUALBEAM



HELIX 5 DI G2 ■ 5" DISPLAY / 800H X 480V #410200-1

HELIX 5 SONAR 💷 HD 5" DISPLAY / 800H X 480V #410190-1 #410250-1 (portable)



PORTABLE MODELS include a soft-sided carrying case with a suction cup transducer, 9Ah battery and charger.

## HUMMINBIRD. 26 | 27





APEX 19 MEGA SI+ CHARTPLOTTER

	#411240-1
Additional Model Options	APEX 19 MEGA SI+ CHO (Control Head Only)   #411240-1CHO
Interface	Multi-Gesture Touchscreen + Keypad Control
Display Size & Pixel Matrix	18.5" Diagonal   1920H x 1080V
Bluetooth	Built-In
Wi-Fi	Built-In
Water Surface Temp	Built-In Transducer
Speed	GPS Speed Included
Waterproof Class	IPX7
Mounting Options	Gimbal, Front In-Dash or Optional Rear In-Dash
Transducer Included	XM 14 HW MSI T (Transom Mount)
Power Input	10.8-20 VDC
Power Draw	4.4 Amps
SONAR CAPABILITIES	

Sonar Types - Standard	MEGA Side Imaging+ MEGA Down Imaging+™ Dual Spectrum CHIRP
Sonar - Coverage	20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)
Sonar - Frequencies Supported	50/83/200/455/800 kHz & 1.2 MHz
2D CHIRP - Frequencies Supported	Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz) Optional Deepwater (28-250 kHz)*
CHIRP Imaging - Frequencies Supported	455 kHz SI (405-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz JI (780-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-1175 kHz) MEGA DI+ (1100-1200 kHz)
Target Separation	2.5" (63.5 mm)
Power Output (Max)	Port 1 (2D CHIRP, MDI, MSI, 360) / 1000 Watts (RMS)* Port 2 (2D CHIRP) / 2000 Watts (RMS)*
Depth - Sonar	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)
Range - Side Imaging (Side-To-Side)	800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 500 ft (152 m) – MEGA+
Depth - Down Imaging	400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 250 ft (76 m) – MEGA+

APEX 16 MEGA SI+ CHARTPLOTTER

APEX 16 MEGA SI+ CHO (Control Head Only) | #411500-1CHO Multi-Gesture Touchscreen + Keypad Control 15.6" Diagonal | 1920H x 1080V Built-In Built-In Built-In Transducer GPS Speed Included IPX7 Gimbal, Front In-Dash or Optional Rear In-Dash XM 14 HW MSI T (Transom Mount) 10.8-20 VDC 4.3 Amps MEGA Side Imaging

MEGA Down Imaging+ Dual Spectrum CHIRP	
20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)	
50/83/200/455/800 kHz & 1.2 MHz	
Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz) Optional Deepwater (28-250 kHz)*	
455 kHz SI (405-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz SI (780-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-1175 kHz) MEGA DI+ (1100-1200 kHz)	
2.5" (63.5 mm)	
Port 1 (2D CHIRP, MDI, MSI, 360) / 1000 Watts (RMS)* Port 2 (2D CHIRP) / 2000 Watts (RMS)*	
1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	
800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 500 ft (152 m) – MEGA+	
400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 250 ft (76 m) – MEGA+	

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1.3		-	
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APEX 13 MEGA SI+ CHARTPLOTTER #411470-1 APEX 13 MEGA SI+ CHO (Control Head Only) | #411470-1CHO Multi-Gesture Touchscreen + Keypad Control 13.3" Diagonal | 1920H x 1080V Built-In Built-In Built-In Transducer GPS Speed Included IPX7 nbal, Front In-Dash or Optional Rear In-Dash XM 14 HW MSI T (Transom Mount) 10.8-20 VDC 3.1 Amps MEGA Side Imaging+ MEGA Down Imaging+ Dual Spectrum CHIRP 20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°) 50/83/200/455/800 kHz & 1.2 MHz Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz) Optional Deepwater (28-250 kHz)\* 455 kHz DI (405-050 kHz) 455 kHz DI (435-535 kHz) 800 kHz DI (435-635 kHz) 800 kHz DI (800-840 kHz) MEGA SI+ (1050-1175 kHz) MEGA DI+ (1100-1200 kHz)

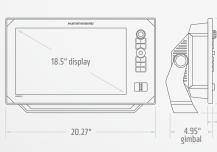
2.5" (63.5 mm) Port 1 (2D CHIRP, MDI, MSI, 360) / 1000 Watts (RMS)\* Port 2 (2D CHIRP) / 2000 Watts (RMS)\* 1200 ft (Standard Transducer) 3500 ft (Optional Transducer) 800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 500 ft (152 m) – MEGA+ 400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 250 ft (76 m) – MEGA+

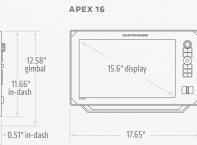
MAPPING AN	ND GPS	5 FEATURES	(For available CoastMaster charts see pages 34-35)	

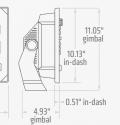
GPS Receiver	Internal	Internal	Internal
Waypoints, Routes, Tracks/Points	10,000, 50, 50/20,000	10,000, 50, 50/20,000	10,000, 50, 50/20,000
Humminbird Basemap Built-In		•	•
Humminbird AutoChart Live	•	•	•
CCESSORY OPTIONS			
MEGA Live Imaging	0	0	0
MEGA 360 Imaging	0	0	0
CHIRP Radar	0	0	0
HDMI In/Out	0	0	0
Minn Kota Built-In MEGA Imaging	0	0	0
Minn Kota i-Pilot Link	0	0	0
Minn Kota Talon/Raptor	0	0	0
Cannon Optimum Downrigger	0	0	0
IETWORK OPTIONS	•	•	•
External GPS Receiver	0	0	0
AIS	0	0	0
	0	0	0
/HF Radio		0 0	0 0
HF Radio AutoPilot -Port Ethernet Switch	0	_	

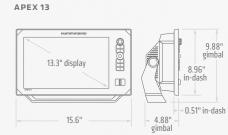
Included O Optional — Not supported \*Optional deepwater transducer required Features and specifications subject to change without notice.

APEX 19









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SOLIX 15 MEGA SI++GPS

	G3 #411570-1	G3 #411550-1
Additional Model Options	SOLIX 15 MEGA SI+·GPS G3 CHO (Control Head Only)   #411570-1CHO	SOLIX 12 MEGA SI+·GPS G3 CHO (Control Head Only)   #411550-1CHO
Interface	Multi-Gesture Touchscreen + Keypad Control	Multi-Gesture Touchscreen + Keypad Control
Display Size & Pixel Matrix	15.4" Diagonal   1280H x 800V	12.1" Diagonal   1280H x 800V
Bluetooth	Built-In	Built-In
Wi-Fi	Built-In	Built-In
Water Surface Temp	Built-In Transducer	Built-In Transducer
Speed	GPS Speed Included	GPS Speed Included
Waterproof Class	IPX7	IPX7
Mounting Options	Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash
Transducer Included	XM 14 HW MSI T (Transom Mount)	XM 14 HW MSI T (Transom Mount)
Power Input	10.8-20 VDC	10.8-20 VDC
Power Draw	2.8 Amps	2.7 Amps
SONAR CAPABILITIES		
SONAR CAPABILITIES	MEGA Side Imaging+	MEGA Side Imaging+
Sonar Types - Standard	MEGA Down Imaging+ Dual Spectrum CHIRP	MEGA Down Imaging+ Dual Spectrum CHIRP
Sonar - Coverage	20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)	20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)
Sonar - Frequencies Supported	50/83/200/455/800 kHz & 1.2 MHz	50/83/200/455/800 kHz & 1.2 MHz
2D CHIRP - Frequencies Supported	Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz) Optional Deepwater (28-250 kHz)*	Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz) Optional Deepwater (28-250 kHz)*
CHIRP Imaging - Frequencies Supported	455 kHz SI (405-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz (780-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-1175 kHz) MEGA SI+ (1010-1200 kHz)	455 kHz SI (405-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz SI (780-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-1175 kHz) MEGA DI+ (1100-1200 kHz)
Target Separation	2.5" (63.5 mm)	2.5" (63.5 mm)
Power Output (Max)	1000 Watts (RMS)*;	1000 Watts (RMS)*;
Depth - Sonar	8000 Watts (Peak-to-Peak)* 1200 ft (Standard Transducer)	8000 Watts (Peak-to-Peak)* 1200 ft (Standard Transducer)
Range - Side Imaging (Side-To-Side)	3500 ft (Optional Transducer) 800 ft (244 m) - 455 kHz 250 ft (76 m) - 800 kHz 500 ft (152 m) - MEGA+	3500 ft (Optional Transducer) 800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 500 ft (152 m) – MEGA+
Depth - Down Imaging	400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 250 ft (76 m) – MEGA+	400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 250 ft (76 m) – MEGA+
MAPPING AND GPS FEATURES	For available CoastMaster charts see pages 34-35)	
GPS Receiver	Internal	Internal
Waypoints, Routes, Tracks/Points	10,000, 50, 50/20,000	10,000, 50, 50/20,000
Humminbird Basemap Built-In	•	•
Humminbird AutoChart Live	•	•
ACCESSORY OPTIONS		
MEGA Live Imaging	0	0
MEGA 360 Imaging	0	0
CHIRP Radar	0	0
HDMI In/Out	-	-
Minn Kota Built-In MEGA Imaging	0	0
Minn Kota i-Pilot Link Minn Kota Talon/Raptor	0	0
Cannon Optimum Downrigger	0	0
NETWORK OPTIONS		
One-Boat Network Compatible	•	•
External GPS Receiver	•	•
AIS	0	0
VHF Radio	0	0
AutoPilot	0	0

SOLIX 15 G3

5-Port Ethernet Switch NMEA 2000 Direct Connections



15.4" display

16.53"



OHO

EHC





4.83" gimbal

10.46"

gimbal

10.05" in-dash

0





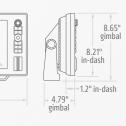
SOLIX 10 MEGA SI++GPS

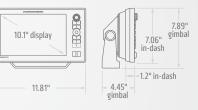
G3 #411530-SOLIX 10 MEGA SI+·GPS G3 CH0 (Control Head Only) | #411530-1CH0 Multi-Gesture Touchscreen + Keypad Control 10.1" Diagonal | 1280H x 800V Built-In Built-In Built-In Transducer GPS Speed Included IPX7 Gimbal or Optional Rear In-Dash XM 14 HW MSI T (Transom Mount) 10.8-20 VDC 2.5 Amps

MEGA Side Imaging+ MEGA Down Imaging+ Dual Spectrum CHIRP 20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°) 50/83/200/455/800 kHz & 1.2 MHz Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz) Optional Deepwater (28-250 kHz)\* 455 kHz DI (435-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz DI (800-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-175 kHz) MEGA DI+ (1100-1200 kHz) 2.5" (63.5 mm) 1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\* 1200 ft (Standard Transducer) 3500 ft (Optional Transducer) 800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 500 ft (152 m) – MEGA+ 400 ft (122 m) - 455 kHz 125 ft (38 m) - 800 kHz 250 ft (76 m) - MEGA+

Internal	Internal
10,000, 50, 50/20,000	10,000, 50, 50/20,000
	•
•	•
0	0
0	0
0	0
-	-
0	0
0	0
0	0
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SOLIX 10 G3







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15 / 12	









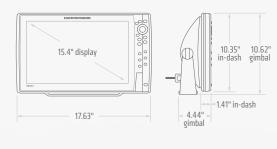


5 / 12	HELIX 15 MEGA SI++GPS (G4N) NETWORKING   #411320-1	HELIX 15 MEGA DI++GPS CHO GAN NETWORKING   #411310-1 (CONTROL HEAD ONLY)	HELIX 12 MEGA SI++GPS GAN NETWORKING   #411450-1	HELIX 12 MEGA DI++GPS GAN NETWORKING   #411440-1	HELIX 12 CHIRP-GPS
Additional Model Options	HELIX 15 MEGA SI+:GPS G4N CHO (Control Head Only)   #411320-1CHO	-	HELIX 12 MEGA SI+·GPS G4N CHO (Control Head Only)   #411450-1CHO	HELIX 12 MEGA DI+-GPS G4N CHO (Control Head Only)   #411440-1CHO	-
nterface	Keypad Control	Keypad Control	Keypad Control	Keypad Control	Keypad Control
	(X-Press Menu™ System)	(X-Press Menu System)	(X-Press Menu System)	(X-Press Menu System)	(X-Press Menu System)
splay Size & Pixel Matrix	15.4" Diagonal   1280H x 800V	15.4" Diagonal   1280H x 800V	12.1" Diagonal   1280H x 800V	12.1" Diagonal   1280H x 800V	12.1" Diagonal   1280H x 800V
luetooth	Built-In	Built-In	Built-In	Built-In	Built-In
/i-Fi	Built-In	Built-In	Built-In	Built-In	Built-In
Vater Surface Temp	Built-In Transducer	Built-In Transducer	Built-In Transducer	Built-In Transducer	Built-In Transducer
peed Class	GPS Speed Included	GPS Speed Included	GPS Speed Included	GPS Speed Included	GPS Speed Included
/aterproof Class	IPX7	IPX7	IPX7	IPX7	IPX7
ounting Options	Gimbal or Optional Rear In-Dash XM 9 HW MSI T	Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash XM 9 HW MSI T	Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash XNT 9 HW T
ransducer Included	(Transom Mount)	Control Head Only – Transducer Not Included	(Transom Mount)	XM 9 HW MDI T	(Transom Mount)
ower Input	10.8-20 VDC	10.8-20 VDC	10.8-20 VDC	10.8-20 VDC	10.8-20 VDC
ower Draw	4.1 Amps	4.1 Amps	3.2 Amps	3.2 Amps	3.2 Amps
DNAR CAPABILITIES					
anay Tunas - Standard	MEGA Side Imaging+	MEGA Down Imaging+	MEGA Side Imaging+	MEGA Down Imaging+	Dual Creativer CUIDD
onar Types - Standard	MEGA Down Imaging+ Dual Spectrum CHIRP	Dual Spectrum CHIRP	MEGA Down Imaging+ Dual Spectrum CHIRP	Dual Spectrum CHIRP	Dual Spectrum CHIRP
onar - Coverage	20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)	25°, 42°, 45°, 75° @ -10dB	20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)	25°, 42°, 45°, 75° @ -10dB	20°, 42° & 60° @ -10dB
onar - Frequencies Supported	50/83/200/455/800 kHz & 1.2 MHz	50/83/200/455/800 kHz & 1.2 MHz	50/83/200/455/800 kHz & 1.2 MHz	50/83/200/455/800 kHz & 1.2 MHz	50/80/200 kHz
	Full Mode (150-200 kHz)	Full Mode (150-200 kHz)	Full Mode (150-200 kHz)	Full Mode (150-200 kHz)	Full Mode (150-200 kHz)
D CHIRP - Frequencies Supported	Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)	Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)	Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)	Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)	Narrow Mode(140-200 kHz) Wide Mode(180-240 kHz)
	455 kHz SI (405-505 kHz)		455 kHz SI (405-505 kHz)		
HIRP Imaging - Frequencies	455 kHz DI (435-535 kHz) 800 kHz SI (780-840 kHz)	455 kHz DI (435-535 kHz)	455 kHz DI (435-535 kHz) 800 kHz SI (780-840 kHz)	455 kHz DI (435-535 kHz)	
Supported	800 kHz DI (800-860 kHz)	800 kHz DI (800-860 kHz)	800 kHz DI (800-860 kHz)	800 kHz DI (800-860 kHz) MEGA DI+ (1100-1200 kHz)	-
	MEGA SI+ (1050-1175 kHz)	MEGA DI+ (1100-1200 kHz)	MEGA SI+ (1050-1175 kHz)	MEGA DI+ (TIOU-1200 KHZ)	
arget Separation	MEGA DI+ (1100-1200 kHz) 2.5" (63.5 mm)	2.5" (63.5 mm)	MEGA DI+ (1100-1200 kHz) 2.5" (63.5 mm)	2.5" (63.5 mm)	2.5" (63.5 mm)
	1000 Watts (RMS)*:	1000 Watts (RMS)*;	1000 Watts (RMS)*;	1000 Watts (RMS)*;	1000 Watts (RMS)*:
ower Output (Max)	8000 Watts (Peak-to-Peak)*	8000 Watts (Peak-to-Peak)*	8000 Watts (Peak-to-Peak)*	8000 Watts (Peak-to-Peak)*	8000 Watts (Peak-to-Peak)*
epth - Sonar	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)
anna Sida Imagina (Sida Ta Sida)	800 ft (244 m) – 455 kHz		800 ft (244 m) – 455 kHz		
ange - Side Imaging (Side-To-Side)	250 ft (76 m) – 800 kHz 400 ft (122 m) – MEGA+	-	250 ft (76 m) – 800 kHz 400 ft (122 m) – MEGA+	-	-
	400 ft (122 m) - 455 kHz	400 ft (122 m) - 455 kHz	400 ft (122 m) - 455 kHz	400 ft (122 m) - 455 kHz	
epth - Down Imaging	125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+	125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+	125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+	125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+	_
APPING AND GPS FEATURES	(For available Humminbird map cards see pages 44-45)				
PS Receiver	Internal	Internal	Internal	Internal	Internal
Vaypoints, Routes, Tracks/Points	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000
umminbird Basemap Built-In	2,300, 47, 30/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,530, 47, 50/20,000
umminbird AutoChart Live			-	•	
In Open Water Mode)	•	•	•	•	•
lumminbird AutoChart Live Ice In Ice Fishing Mode)	- (1997) - (1997)	-	-	-	-
CCESSORY OPTIONS					
IEGA Live Imaging	0	0	0	0	0
EGA 360 Imaging	0	0	0	0	0
HIRP Radar	0	0	0	0	0
DMI In/Out	-		-	-	-
linn Kota Built-In MEGA Imaging	0	0	0	0	0
inn Kota i-Pilot Link	0	0	0	0	0
inn Kota Talon/Raptor	0	0	0	0	0
nnon Optimum Downrigger	0	0	0	0	0
ETWORK OPTIONS					
ne-Boat Network Compatible	•	•	•	•	•
xternal GPS Receiver	0	0	•	•	•
IS	0	0	0	0	0
HF Radio	0	0	0	0	0
utoPilot	0	0	0	0	0
5-Port Ethernet Switch	0	0	0	0	0
NMEA 2000	0	0	0	0	0

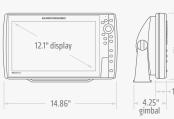
Included O Optional — Not supported \*Optional deepwater transducer required Features and specifications subject to change without notice.



HELIX 15 | G4N



HELIX 12 | G4N









Interface

Bluetooth

Wi-Fi

Speed

Additional Model Options

Display Size & Pixel Matrix

Water Surface Temp

Waterproof Class

**Mounting Options** 

Transducer Included

Sonar Types - Standard

Sonar - Coverage

**Target Separation** 

Depth - Sonar

Power Output (Max)

Depth - Down Imaging

SONAR CAPABILITIES

Sonar - Frequencies Supported

2D CHIRP - Frequencies Supported

Range - Side Imaging (Side-To-Side)

CHIRP Imaging - Frequencies Supported

Power Input

Power Draw



HELIX 10 MEGA SI++GPS

HELIX 10 MEGA SI+·GPS G4N CHO (Control Head Only) | #411420-1CHO

Keypad Control (X-Press Menu System

10.1" Diagonal | 1024H x 600V

Built-In

Built-In

Built-In Transduce

GPS Speed Included

IPX7

Gimbal or Optional Rear In-Das

XM 9 HW MSI T (Transom Mount)

10.8-20 VDC

2.7 Amps

MEGA Side Imaging+ MEGA Down Imaging+ Dual Spectrum CHIRP

20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)

50/83/200/455/800 kHz & 1.2 MHz

Full Mode (150-200 kHz)

Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)

455 kHz SI (405-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz SI (780-840 kHz) 800 kHz DI (800-860 kHz)

MEGA SI+ (1050-1175 kHz MEGA DI+ (1100-1200 kHz)

2.5" (63.5 mm)

1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\*

1200 ft (Standard Transducer) 3500 ft (Optional Transducer)

800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 400 ft (122 m) – MEGA+

400 ft (122 m) - 455 kHz 125 ft (38 m) - 800 kHz 200 ft (61 m) - MEGA+

NETWORKING #4



34N) NETWORKING | #411

HELIX 10 MEGA DI+·GPS G4N CHO (Control Head Only) | #411410-1CHO

Keypad Control (X-Press Menu System)

10.1" Diagonal | 1024H x 600V

Built-In

Built-In

Built-In Transducer

GPS Speed Included

IPX7

Gimbal or Optional Rear In-Dash

XM 9 HW MDI T

10.8-20 VDC

2.7 Amps

MEGA Down Imaging+ Dual Spectrum CHIRP

25°, 42°, 45°, 75° @ -10dB

50/83/200/455/800 kHz & 1.2 MHz

Full Mode (150-200 kHz)

Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)

455 kHz DI (435-535 kHz) 800 kHz DI (800-860 kHz)

MEGA DI+ (1100-1200 kHz)

2.5" (63.5 mm)

1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\*

1200 ft (Standard Transducer 3500 ft (Optional Transducer)

400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+



HELIX 10 CHIRP-GPS

Keypad Control (X-Press Menu System)

10.1" Diagonal | 1024H x 600V

Built-In

Built-In

Built-In Transducer

GPS Speed Included

IPX7

imbal or Optional Rear In-Dash

XNT 9 HW T (Transom Mount)

10.8-20 VDC

2.7 Amps

Dual Spectrum CHIRP

20°, 42° & 60° @ -10dB

Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)

2.5" (63.5 mm)

1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\*

1200 ft (Standard Transducer 3500 ft (Optional Transducer)

50/80/200 kHz





HELIX 9 MEGA SI+·GPS G4N CHO (Control Head Only) | #411380-1CHO

Keypad Control (X-Press Menu System

9" Diagonal | 1024H x 600V

Built-In

Built-In

Built-In Transducer

GPS Speed Included

IPX7

Gimbal or Optional Rear In-Das

XM 9 HW MSI T (Transom Mount)

10.8-20 VDC

2.4 Amps

MEGA Side Imaging+ MEGA Down Imaging+ Dual Spectrum CHIRP

20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)

50/83/200/455/800 kHz & 1.2 MHz

Full Mode (150-200 kHz)

Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)

455 kHz SI (405-505 kHz) 455 kHz SI (405-505 kHz) 800 kHz SI (780-840 kHz) 800 kHz SI (780-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-1175 kHz)

MEGA DI+ (1100-1200 kHz

2.5" (63.5 mm)

1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\*

1200 ft (Standard Transducer) 3500 ft (Optional Transducer)

800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 400 ft (122 m) – MEGA+

400 ft (122 m) - 455 kHz 125 ft (38 m) - 800 kHz 200 ft (61 m) - MEGA+



NETWORKING #41

HELIX 9 MEGA DI+·GPS G4N CHO (Control Head Only) | #411370-1CHO

Keypad Control (X-Press Menu System)

9" Diagonal | 1024H x 600V

Built-In

Built-In

Built-In Transduce

GPS Speed Included

IPX7

Gimbal or Optional Rear In-Dash

XM 9 HW MDI T

10.8-20 VDC

2.4 Amps

MEGA Down Imaging+ Dual Spectrum CHIRP

25°, 42°, 45°, 75° @ -10dB

Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)

455 kHz DI (435-535 kHz) 800 kHz DI (800-860 kHz)

MEGA DI+ (1100-1200 kHz)

2.5" (63.5 mm)

1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\*

1200 ft (Standard Transduce 3500 ft (Optional Transducer

400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+

50/83/200/455/800 kHz & 1.2 MHz



HELLX 9 CHIRP-GPS

-	
Keypad Control (X-Press Menu System)	
9" Diagonal   1024H x 600V	
Built-In	
Built-In	
Built-In Transducer	
GPS Speed Included	
IPX7	
Gimbal or Optional Rear In-Dash	
XNT 9 HW T (Transom Mount)	
10.8-20 VDC	
2.4 Amps	

Dual Spectrum CHIRP

20°. 42° & 60° @ -10dB

50/80/200 kHz

Full Mode (150-200 kHz

2.5" (63.5 mm)

1000 Watts (RMS)\*; 8000 Watts (Peak-to-Peak)\*

1200 ft (Standard Transducer 3500 ft (Optional Transducer)

800 ft (244 m) – 455 kHz

250 ft (76 m) - 800 kHz 400 ft (122 m) - MEGA+

400 ft (122 m) - 455 kHz 125 ft (38 m) - 800 kHz 200 ft (61 m) - MEGA+

Narrow Mode (140-200 kHz Wide Mode (180-240 kHz

ME Du 20°, 42°, @ -10 50/83/200 Full M Narrow M Wide M 455 kH 455 kH 800 kl 800 kl MEG/ MEG/ 8000 V 1200 ft 3500 ft 800 ft 250 f 400 ft

MAPPING AND GPS FEATURES (For available Humminbird map cards see pages 44-45)

	• (i or available naminibila hidp caras see pag	505 11 15/							
GPS Receiver	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Vaypoints, Routes, Tracks/Points	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000	2,500, 47, 50/20,000
Humminbird Basemap Built-In	•	•	•	•	•	•	•	•	•
Humminbird AutoChart Live (In Open Water Mode)	•	•	•	•	•	•	•	•	•
umminbird AutoChart Live Ice n Ice Fishing Mode)	•	•	•	•	•	•	•	•	•
CCESSORY OPTIONS									
AEGA Live Imaging	0	0	0	0	0	-	0	0	-
AEGA 360 Imaging	0	0	0	0	0	-	0	0	-
HIRP Radar	0	0	0	0	0	0	0	0	0
IDMI In/Out	-			-	-	-	-	-	-
Ainn Kota Built-In MEGA Imaging	0	0	0	0	0	-	0	0	-
Ainn Kota i-Pilot Link	0	0	0	0	0	0	0	0	0
linn Kota Talon/Raptor	0	0	0	0	0	0	0	0	0
annon Optimum Downrigger	0	0	0	0	0	0	0	0	0
NETWORK OPTIONS									
One-Boat Network Compatible	•	•		•	•		•	•	•
xternal GPS Receiver	0	0	0	0	0	0	0	0	0
AIS	0	0	0	0	0	0	0	0	0
HFRadio	0	0	0	0	0	0	0	0	0
utoPilot	0	0	0	0	0	0	0	0	0
-Port Ethernet Switch	0	0	0	0	0	0	0	0	0
IMEA 2000	0			0	0				-

Included O Optional — Not supported \*Optional deepwater transducer required Features and specifications subject to change without notice.



HELIX 9 G4N













The second s	
HELIX 8 MEGA SI++GPS	HELIX 8 MEGA DI-GPS
 G4N NETWORKING #411350-1	GAN NETWORKING #411340-1
HELIX 8 MEGA SI+·GPS G4N CHO (Control Head Only)   #411350-1CHO	HELIX 8 MEGA DI-GPS G4N CHO (Control Head Only)   #411340-1CHO
Keypad Control (X-Press Menu System)	Keypad Control (X-Press Menu System)
8" Diagonal   1024H x 600V	8" Diagonal   1024H x 600V
Built-In	Built-In
Built-In	Built-In
Built-In Transducer	Built-In Transducer
GPS Speed Included	GPS Speed Included
IPX7	IPX7
Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash
XM 9 HW MSI T	XNT 9 HW MDI 75 T

(Transom Mount 10.8-20 VDC 2.4 Amps



(Transom Mount)

10.8-20 VDC

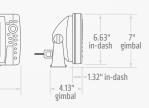
2.4 Amps

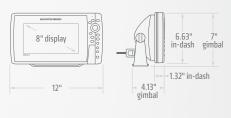
HELIX 8 CHIRP-GPS

Keypad Control (X-Press Menu System) 8" Diagonal | 1024H x 600V Built-In Built-In Built-In Transducer GPS Speed Included IPX7 Gimbal or Optional Rear In-Dash XNT 9 HW T (Transom Mount) 10.8-20 VDC 2.4 Amps

MEGA Side Imaging+ MEGA Down Imaging+ Dual Spectrum CHIRP	MEGA Down Imaging Dual Spectrum CHIRP	Dual Spectrum CHIRP
20°, 42°, 60°, (2) 86° & (2) 55° @ -10dB (Total of 180°)	25°, 42°, 45°, 75° @ -10dB	20°, 42° & 60° @ -10dB
/83/200/455/800 kHz & 1.2 MHz	50/83/200/455/800 kHz & 1.2 MHz	50/80/200 kHz
Full Mode (150-200 kHz) Iarrow Mode (140-200 kHz) Wide Mode (180-240 kHz)	Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)	Full Mode (150-200 kHz) Narrow Mode (140-200 kHz) Wide Mode (180-240 kHz)
455 kHz SI (405-505 kHz) 455 kHz DI (435-535 kHz) 800 kHz SI (780-840 kHz) 800 kHz DI (800-860 kHz) MEGA SI+ (1050-1175 kHz) MEGA DI+ (1100-1200 kHz)	455 KHz (440-500 kHz) 800 kHz (800-860 kHz) MEGA DI (1075-1150 kHz)	-
2.5" (63.5 mm)	2.5" (63.5 mm)	2.5" (63.5 mm)
1000 Watts (RMS)*; 8000 Watts (Peak-to-Peak)*	1000 Watts (RMS)*; 8000 Watts (Peak-to-Peak)*	1000 Watts (RMS)*; 8000 Watts (Peak-to-Peak)*
1200 ft (Standard Transducer) 8500 ft (Optional Transducer)	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)
800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 400 ft (122 m) – MEGA+	-	800 ft (244 m) – 455 kHz 250 ft (76 m) – 800 kHz 400 ft (122 m) – MEGA+
400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+	400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+	400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz 200 ft (61 m) – MEGA+

HELIX 8 G4N





THUMMINBIRD. 32 33



















7 / 5	HELIX 7 MEGA SI-GPS	HELIX 7 MEGA DI-GPS	HELIX 7 CHIRP-GPS	HELIX 7 MEGA SI-GPS G4   #411620-1	HELIX 7 CHIRP SI-GPS	HELIX 7 MEGA DI-GPS	HELIX 5 CHIRP DI-GPS	<b>HELIX 5 CHIRP-GPS</b> (G3) #411660-1	HELIX 5 DI	HELIX 5 SONAR (G2) #410190-1
Additional Model Options	-	HELIX 7 MEGA DI-GPS G4N CHO (Control Head Only)   #411640-1CHO	_	-	-	-	-	HELIX 5 CHIRP-GPS PT G3 (Portable)   #411680-1 ICE HELIX 5 CHIRP-GPS G3 AS (All Season)   #411740-1	-	HELIX 5 Sonar PT G2 (Portable)   #410250-1
Interface	Keypad Control (X-Press Menu System)	Keypad Control (X-Press Menu System)	Keypad Control (X-Press Menu System)	Keypad Control (X-Press Menu System)						
Display Size & Pixel Matrix	7" Diagonal   10240H x 600V	5" Diagonal   800H x 480V	5" Diagonal   800H x 480V	5" Diagonal   800H x 480V	5" Diagonal   800H x 480V					
Bluetooth	Built-In	Built-In	Built-In	Built-In	Built-In	Built-In	-	-	-	-
Wi-Fi Water Surface Temp	Built-In Transducer	– Built-In Transducer	– Built-In Transducer	Built-In Transducer	Built-In Transducer	– Built-In Transducer	– Built-In Transducer	Built-In Transducer	– Built-In Transducer	– Built-In Transducer
Speed	GPS Speed Included	GPS Speed Included	Optional	Optional						
Waterproof Class	IPX7	IPX7	IPX7	IPX7						
Mounting Options	Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash	Gimbal or Optional Rear In-Dash						
Transducer Included	XNT 9 HW MSI 150 T	XNT 9 HW MDI 75 T	XNT 9 HW T	XNT 9 HW MSI 150 T	XNT 9 HW SI	XNT 9 HW MDI 75 T	XNT 9 DI T	XNT 9 20 T	XNT 9 20 T	XNT 9 20 T
Power Input	(Transom Mount) 10.8-20 VDC	(Transom Mount) 10.82 VDC	(Transom Mount) 10.8-20 VDC	(Transom Mount) 10.8-20 VDC	(Transom Mount) 10.8-20 VDC					
Power Draw	800 mA	615 mA	615 mA	650 mA	650 mA					
ONAR CAPABILITIES										
Sonar Types - Standard	MEGA Side Imaging MEGA Down Imaging Dual Spectrum CHIRP	MEGA Down Imaging Dual Spectrum CHIRP	Dual Spectrum CHIRP	MEGA Side Imaging MEGA Down Imaging Dual Spectrum CHIRP	Side Imaging Down Imaging Dual Spectrum CHIRP	MEGA Down Imaging Dual Spectrum CHIRP	CHIRP Down Imaging CHIRP Digital Sonar DualBeam PLUS	CHIRP Digital Sonar DualBeam PLUS	Down Imaging Sonar DualBeam PLUS	DualBeam PLUS
Sonar - Coverage	20°, 42°, 60°& (2) 86° @ -10dB (Total of 180°)	16°, 42°, 28°, 45° & 75° @ -10dB	20°, 42° & 60° @ -10dB	20°, 42°, 60°& (2) 86° @ -10dB (Total of 180°)	16°, 28°, 42°, 45° & 75° @ -10dB	16°, 42°, 28°, 45° & 75° @ -10dB	16°, 28°, 45° & 75° @ -10dB	20° & 60° @ -10dB	16°, 28°, 45° & 75° @ -10dB	20° & 60° @ -10dB
Sonar - Frequencies Supported	50/83/200/455 kHz	50/83/200/455 kHz	50/83/200 kHz	50/83/200/455 kHz	50/83/200/455 kHz	50/83/200/455 kHz	50/83/200/455/800 kHz	50/83/200 kHz	200/455/800 kHz	83/200 kHz
2D CHIRP - Frequencies Supported	Full Mode (150-220 kHz) Narrow Mode (180-240 kHz) Wide Mode (140-200 kHz)	Full Mode (150-220 kHz) Narrow Mode (180-240 kHz) Wide Mode (140-200 kHz)	Full Mode (150-220 kHz) Narrow Mode (180-240 kHz) Wide Mode (140-200 kHz)	Full Mode (150-220 kHz) Narrow Mode (180-240 kHz) Wide Mode (140-200 kHz)	Full Mode (150-220 kHz) Narrow Mode (180-240 kHz) Wide Mode (140-200 kHz)	Full Mode (150-220 kHz) Narrow Mode (180-240 kHz) Wide Mode (140-200 kHz)	83/200 (75-155/130-250 kHz) 50/200 (28-75/130-250 kHz) Low (28-75 kHz) Med (75-155 kHz) High (130-250 kHz)	83/200 (75-155/130-250 kHz) 50/200 (28-75/130-250 kHz) Low (28-75 kHz) Med (75-155 kHz) High (130-250 kHz)	_	_
CHIRP Imaging - Frequencies Supported	455 kHz (440-500 kHz) MEGA SI (1075-1150 kHz) MEGA DI (1075-1150 kHz)	455 kHz (440-500 kHz) MEGA DI (1075-1150 kHz)	-	455 kHz (440-500 kHz) MEGA SI (1075-1150 kHz) MEGA DI (1075-1150 kHz)	455 kHz (420-520 kHz) 800 kHz (790-850 kHz)	455 kHz (440-500 kHz) MEGA DI (1075-1150 kHz)	455 kHz (420-520 kHz) 800 kHz (790-850 kHz)	-	-	-
Target Separation	2.5" (63.5 mm)	2.5" (63.5 mm)	2.5" (63.5 mm)	2.5" (63.5 mm)						
Power Output (Max)	500 Watts (RMS); 4000 Watts (Peak-to-Peak)	500 Watts (RMS); 4000 Watts (Peak-to-Peak)	500 Watts (RMS); 4000 Watts (Peak-to-Peak)	500 Watts (RMS); 4000 Watts (Peak-to-Peak)						
Depth - Sonar	1200 ft (Standard Transducer) 3500 ft (Optional Transducer)	600 ft (Standard Transducer) 2500 ft (Optional Transducer)	1500 ft (Standard Transducer) 2500 ft (Optional Transducer)	600 ft (Standard Transducer)	1500 ft (Standard Transducer)					
Range - Side Imaging (Side-To-Side)	480 ft (146 m) – 455 kHz 150 ft (46 m) – MEGA	-	-	480 ft (146 m) – 455 kHz 150 ft (46 m) – MEGA	480 ft (146 m) – 455 kHz 250 ft (76 m) – 800 kHz	-	-	-	-	-
Depth - Down Imaging	480 ft (146 m) – 455 kHz 75 ft (23 m) – MEGA	350 ft (107 m) – 455 kHz 125 ft (38 m) – MEGA	_	480 ft (146 m) – 455 kHz 75 ft (23 m) – MEGA	400 ft (122 m) – 455 kHz 125 ft (38 m) – 800 kHz	350 ft (107 m) – 455 kHz 125 ft (38 m) – MEGA	350 ft (107 m) – 455 kHz 350 ft (107 m) – 800 kHz	_	350 ft (107 m) – 455 kHz 350 ft (107 m) – 800 kHz	_
MAPPING AND GPS FEATL	JRES (For available Humminbird r	map cards see pages 44-45)								
GPS Receiver	Internal	Internal	0	0						
Waypoints, Routes, Tracks/Points	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,500, 45, 50/20,000	2,500, 45, 50/20,000	-	-
Humminbird Basemap Built-In	•	•	•	•	•	•	•	•	-	-
Humminbird AutoChart Live (In Open Water Mode)	•	•	•	•	•	•	•	•	-	-
Humminbird AutoChart Live Ice (In Ice Fishing Mode)	•	•	•	•	•	•	•	•	-	-
ACCESSORY OPTIONS										
MEGA Live Imaging	-	-	-	-	-	-	-	-	-	-
MEGA 360 Imaging			-	-	-	-	-	-	-	-
CHIRP Radar	0	0	0	-	-	-	-	-	-	-
HDMI In/Out Minn Kota Built-In MEGA Imaging	- 0	-		- 0	0	-	-		-	-
Minn Kota i-Pilot Link	0	0	0	-	-	_	_	_	_	-
Minn Kota Talon/Raptor	0	0	0	-	-	-	-	-	-	-
Cannon Optimum Downrigger	-	-	-	-	-	-		-	-	-
NETWORK OPTIONS										
One-Boat Network Compatible	•		•	-	-	-	-	-	-	-
External GPS Receiver AIS	0	0	0	- 0	- 0	- 0	-	-	-	-
VHF Radio	0	0	0	-	-	-	_	_	-	-
AutoPilot	0	0	0	0	0	0	-	-	-	-
	0	0	0	-	-			-	-	-
5-Port Ethernet Switch NMEA 2000	0	0	U		_	-	-	_	_	

GPS Receiver	Internal	0								
Waypoints, Routes, Tracks/Points	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,750, 45, 50/20,000	2,500, 45, 50/20,000	2,500, 45, 50/20,000	-	
Humminbird Basemap Built-In	•	•	•	•	•	•	•	•	-	
Humminbird AutoChart Live (In Open Water Mode)	•	•	•	•	•	•	•	•	-	
Humminbird AutoChart Live Ice (In Ice Fishing Mode)	•	•	•	•	•	•	•	•	-	
ACCESSORY OPTIONS										
MEGA Live Imaging	-	-	-	-	-	-	-	-	-	
MEGA 360 Imaging	-	-	-	-	-	-	_	-	-	
CHIRP Radar	0	0	0	-	-	-	-	-	-	
HDMI In/Out	-	-	-	-	-	-	-	-	-	
Minn Kota Built-In MEGA Imaging	0	0	-	0	0	-	-	-	-	
Minn Kota i-Pilot Link	0	0	0	-	-	-	-	-	-	
Minn Kota Talon/Raptor	0	0	0	-	-	-	-	-	-	
Cannon Optimum Downrigger		-	-	-	-	-		-	-	
NETWORK OPTIONS										
One-Boat Network Compatible	•	•	•	-	-	-	-	-	-	
External GPS Receiver	0	0	0	-	-	-	-	-	-	
AIS	0	0	0	0	0	0	-	-	-	
VHF Radio	0	0	0	-	-	-	-	-	-	
AutoPilot	0	0	0	0	0	0	-	-	-	
5-Port Ethernet Switch	0	0	0	-	_	-	-	-	-	
NMEA 2000	0	0	0	-	-	-	-	-	-	

Included Optional – Not supported Features and specifications subject to change without notice.



HELIX 7 | G4N 7" display 10.54"



HELIX 7 | G4

7" display



HELIX 5 | G3/G2

5.44" 5.8" in-dash gimbal

🛶 1.17" in-dash

⊲ 3.72" ⊨ gimbal



















# **BUILT-IN CHARTS**

# HUMMINBIRD **CHARTS**

# READY TO FISH, RIGHT OUT OF THE BOX.

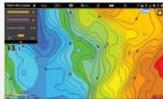
Only Humminbird delivers the detail, accuracy and innovative, one-of-a-kind features to eliminate unproductive water and find the best fishing spots faster. These powerful built-in maps will make the most of any day on the water. Search less. Fish more.

# **HUMMINBIRD BASEMAP**

We've enhanced our standard Basemap to deliver more detail and a superior angling experience. The Humminbird Basemap is built into all APEX, SOLIX and GPS-equipped HELIX Series models. Based on freshwater data from LakeMaster and CoastMaster data from the most-trusted saltwater sources, these accurate maps provide you with a clear view of underwater terrain. Identify buoys, daymarkers, hazards, marinas and countless other navigation aids and points of interest with our comprehensive icon system. You'll also see contours, depth markings and, for coastal areas, spot soundings. On the water, confidence is key. And the Humminbird Basemap delivers.

# **AUTOCHART** LIVE

Build richly detailed maps of artificial reefs, wrecks and other favorite fishing spots in real time with Humminbird AutoChart Live, available on all APEX, SOLIX and GPS-equipped HELIX Series models. Map the water as you drive the boat, with eight hours of built-in recording time. Once your map has been created, view it with vegetation, bottom hardness and depth contours to locate the best fish-holding areas. Also, use it with i-Pilot Link Follow and other patented Humminbird LakeMaster features. The future of digital charting has arrived. Better get on board.

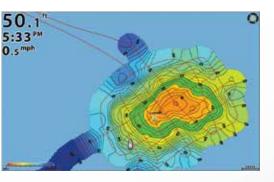


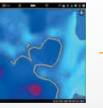


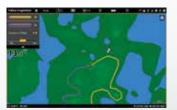
**DEPTH CONTOURS** 

**BOTTOM HARDNESS** 









VEGETATION



# PREMIUM CHARTS

# HUMMINBIRD COASTMASTER

# THE COAST IS NOW ABSOLUTELY CLEAR.

Find the path to your next big catch with the incredible accuracy and detail of Humminbird CoastMaster. With VX Technology, easy-to-read contours and chart customization, you'll be able to identify the spots you know will hold fish and navigate there safely.

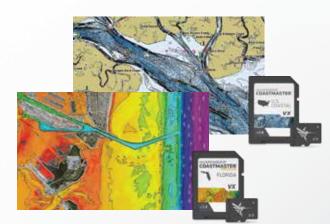


#### **COASTMASTER**

Building on the latest data available, CoastMaster delivers unrivaled nearshore and offshore angling performance. You'll also have access to more fish-catching features thanks to compatibility with the One-Boat Network from Humminbird and Minn Kota.

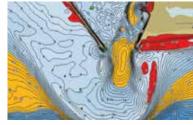
## **COASTMASTER** PREMIUM

Upgrade your navigational view with all the detail and features of CoastMaster, plus shaded relief, enhanced aerial imagery, bottom hardness and auxiliary contours. Now available for Florida.



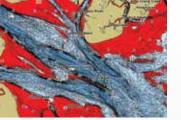
ONE-BOAT NETWORK®





**HIGHLIGHT DEPTH** Select and highlight a particular depth range, so you can easily target productive water and stay in the bite zone.

your fishing spots.



SHALLOW WATER HIGHLIGHT Navigate safely and quickly identify spots where fish are hiding with red shading highlights for shallow water areas on an adjustable range from zero to 30 feet. Create up to four user-defined depth highlight ranges, so you can easily target productive water.



TIDES & CURRENTS be caught guessing.



#### VX TECHNOLOGY

Don't delay. Vector-accelerated technology provides five customizable color palettes and fast map load times, so you can seize every moment on the water.



WATER LEVEL OFFSET

Synchronize the depth contours and shorelines of your CoastMaster charts with the actual water levels, so your chart will reflect the current water level of

Whichever way the tide rolls, make sure it's in your favor. CoastMaster's predictive software allows you to plan your fishing day with tidal direction and height, as well as the speed and direction of currents and more, so you'll never



DRYING AREAS Quickly find areas that will dry out during low tide, highlighted in green on your CoastMaster chart, in order to better understand fish movement and identify your navigation route.



**CHART VIEWS** 

See the water your way with three view presets. Customize each desired preset and easily switch from Fishing, Navigation and User modes to show only the details you want and need on screen for your fishing preferences.



38 | 39

#### NEW

# **MEGA LIVE IMAGING**

Bring the must-watch detail and non-stop action of MEGA Live Imaging to a fish finder near you. MEGA Live is compatible with all APEX, SOLIX and select HELIX Series models. Upgrading is as simple as connecting the Ethernet cable to your head unit and attaching the three-position MEGA Live transducer to your trolling motor.



# **MEGA 360 IMAGING**

Upgrading to incredible 360-degree views is as simple as adding the MEGA 360 Imaging transducer to your Minn Kota trolling motor and connecting to your Humminbird fish finder with MEGA Imaging+. The Ultrex<sup>™</sup> MEGA 360 Imaging transducer is designed to mount to the Minn Kota Ultrex for uninterrupted use, even when in Spot-Lock mode. The Fortrex<sup>®</sup> MEGA 360 Imaging transducer is compatible with both Minn Kota Fortrex and Maxxum<sup>®</sup> trolling motors. Additional models include Universal and No Mount options, meaning that no matter your boat, there is a MEGA 360 Imaging for you to find more fish.

#### Compatible Models

APEX (all models) SOLIX (all models) HELIX 8-15 G3N/G4N models with MEGA Imaging+ Some rigging configurations will require additional accessories, please see page 46 for more details.





**ONE-BOAT** 

NETWORK

ONE-BOAT

NETWORK®

# **CHIRP RADAR**

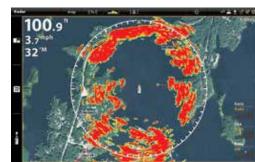
Introducing the next generation of marine radar: CHIRP Radar, featuring CHIRP Pulse Compression. Setting a new standard for compact solid state radar, this technology delivers superior target separation on both long and extremely short ranges. This translates to better situational awareness in low-visibility conditions and helps identify birds and floating obstacles for clues to where game fish are located. You can also track weather and vessels with amazing definition. Available for select Humminbird models with Ethernet-networking capabilities.

HB 2124 CHIRP RADAR #750013-1

Some compatible Humminbird models require additiona adanter listed helow

Cables Required Models APEX and SOLIX Series Built-in HELIX G2N/G3N/G4N Series AS EC QDE (#720074-1)







Clearly identify this upcoming bridge with the precise imaging of Humminhird CHIRP Radar

Along with excellent short-range detection (18 ft minimum range), CHIRP Pulse Compression ensures more energy reaches each target for superior imaging at long ranges up to 24 nautical miles. CHIRP Pulse Compression identifies small or weak targets, even while positioned close to strong returns.

# **NMEA 2000**

Boat performance, weather or water conditions, make sense of it all with NMEA 2000 networking on your Humminbird fish finder. Display and easily interpret virtually any NMEA 2000 sensor with intuitive, high-color graphics and text. You can even view data for multiple engines and fuel tanks. Easily customize data boxes to suit your needs. Focus on a single reading or view multiple gauges at once for a more complete picture. Plug your NMEA 2000 network cable directly into all APEX, SOLIX and HELIX G4N models.

HB N2K SINGLE STARTER KIT N #700064-1 HB N2K DUAL STARTER KIT M (shown) #700065-1

**Drop Cables and Connectors** HB N2K Drop Cable 0.5M M #720117-2 720117-2 HB N2K Dron Cable 2M M HB N2K Drop Cable 5M M #720117-3 HB N2K Drop Cable 10M M #720117-4 HB N2K Power T M #760037-1 HB N2K T-Connector M #760038-HB N2K Terminator Female M #700035-1 HB N2K Terminator Male M #700036-1



HUMMI

Thanks to solid state technology, Humminbird radar is safe, reliable and lightweight. At 12.3 lbs, the radar unit weighs 50% less than traditional magnetron radars and offers safe emissions with a low power radar transmitter. It's also ready to use in seconds, without a lengthy warm-up period.

#### CHIRP PULSE COMPRESSION

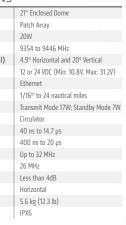
#### SUPERIOR RADAR IMAGING

See things more clearly with Humminbird CHIRP Radar. Shorelines, buoys, other boats and weather—watch it all take shape on your display for maximum safety and a competitive edge. Available for all networking models, advanced target separation displays targets with unsurpassed resolution and quality.

#### SPECIFICATIONS

Antenna Dimension
Antenna Type
Peak Power Output
Transmit Frequency
Beamwidth (nomina
Input Voltage
Networking
Max. Range Scale
<b>Power Consumption</b>
Duplexer
Pulse Widths (3dB)
CHIRP Lengths
CHIRP Bandwidth
IF Bandwidth
Noise
Polarization
Weight
Waterproofing

18 ft (5.4 m)







Cables AS QD NMEA 2000 (needed to adapt NMEA 2000 drop cable into quick-disconnect cable for HELIX G4N models) AS NMEA (APEX adapter cable for NMEA 0183 accessory

#720116-1





# TRANSDUCERS

# **TRANSDUCER MOUNTING**

	4		4			ì	10			Carl
	TRANSOM Mount on the transom (back of the boat). Available on many models, the impact release feature pivots transducer out of the way if struck by an object.	TROLLING MOTOR Mount on most trolling motors. Low-profile shape reduces drag and hang-ups on weeds.	IN-HULL Mount to inside of most single- layer fiberglass hulls using slow-cure epoxy. (Cored fiberglass, metal or wood hulls not acceptable. Hull must be free of trapped air and voids.)	PORTABLE Mount on transom or side of most smooth-surface wood, aluminum or fiberglass boats. Heavy-duty suction cup holds transducer at trolling speeds only.	STAINLESS STEEL THRU-HULL Get MEGA Imaging+ (both Side Imaging and Down Imaging) as well as Dual Spectrum (HIRP 2D sonar from this heavy-duty thru-hull option.	BRONZE Ideal for large boats and boats with in-board motors. Not recommended for trailered boats. Professional installation recommended.	PLASTIC Economic alternative to bronze transducer. Mounts on thinner hulls such as aluminum. Not recommended for trailered boats. Professional installation recommended.	TRANSOM-MOUNT KIT Mounting hardware for transom-mount transducers. Kits include all mounting brackets, hardware and cable clamps required for installation.	Mounting hard standard trans use on the trol	MOTOR MOUNT KIT ware kit adapts our om-mount transducers for ling motor. Kits include all kets, hardware and wire or installation.
1	XM 9 HW MSI T	XTM 9 HW MSI T		-	-	-	XPTH 9 HW MSI T	MHX XM HW	AD MTM	I HW MSI
	XM 9 HW MDI T	XTM 9 HW MDI T	-	-	-	-	XPTH 9 HW MSI T	MHX XM HW	AD MTM HW	V MDI
	XNT 9 HW MSI 150 T	XTM 9 HW MSI 150 T	-	-	-	-	-	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 HW MDI 75 T	XTM 9 HW MDI 75 T	-	-	-	-	-	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 HW DI T	-	-	-	-	-	-	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 HW SI T	-	-	-	-	-	-	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 HW T	XTM 9 HW T	XP 9 HW T XP 9 HW	XPT 9 HW T	-	-	XPTH 9 HW T	MHX XNT or MHX MXNT	AD XTM 9	
	XM 9 20 MSI T	XTM 9 20 MSI T	-	-	-	-	XPTH 9 20 MSI T	MHX XM HW	AD MTM	
	XM 9 MDI T	XTM 9 MDI T	-	-	-	-	-	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 20 T XNT 9 20	XTM 9 20 T	XP 9 20 T XP 9 20 XAP 9 20	XPT 9 20 T	_	XTH 9 20	XTH 9 20 P	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 SI 180 T	XTM 9 SI 180 T	-	-	-	-	XPTH 9 HDSI 180 T	MHX XNT or MHX MXNT	AD XTM 9	
	XHS 9 HDSI 180 T	XTM 9 HDSI 180 T	-	-	-	-	XPTH 9 HDSI 180 T	MHX HS	AD STM 7	
	XNT 9 DI T	XTM 9 WIDE DI 20 T	-	-	-	-	XPTH 9 DI T	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 9 DI T	XTM 9 DI 25 T	-	-	-	-	XPTH 9 DI T	MHX XNT or MHX MXNT	AD XTM 9	
	XM 14 HW MSI T	XTM 14 HW MSI T	-	-	SSTH 14 HS MSI+ T	-	XPTH 14 HW MSI T	MHX XM HW	AD MTM HW MSI	
	XM 14 HW MDI T	XTM 14 HW MDI T	-	-	SSTH 14 HS MSI+ T	-	-	MHX XM HW	AD MTM HW MDI	
	XNT 14 HW T	XTM 14 HW T	XP 14 HW T XP 14 HW	-	-	-	XPTH 14 HW T	MHX XNT or MHX MXNT	AD XTM 9	
[	XM 14 20 MDI T	XTM 14 20 MDI T	_	-	-	-	_	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 14 20 T XNT 14 74 T	XTM 14 20 T	XP 14 20 XP 14 20 T	-	-	XTH 14 20	XPTH 14 20 T XPTH 14 74 T	MHX XNT or MHX MXNT	AD XTM 9	
	XNT 14 DI T	XTM 14 DI T		-	-	-	XPTH 14 20 MSI T	MHX XNT or MHX MXNT	AD XTM 9	
	XM 14 20 MSI T	-	-	-	-	-	XPTH 14 20 MSI T XPTH 14 74 MSI T	MHX XM HW	AD MTM	

#### MODEL GROUP NUMBER

1	HELIX 15 MSI-GPS G4N HELIX 12 MSI-GPS G4N, HELIX 12 MSI-GPS G3N HELIX 10 MSI-GPS G4N, HELIX 10 MSI-GPS G3N HELIX 9 MSI-GPS G4N, HELIX 9 MSI-GPS G3N	HELIX 12 CHIRP-GPS G4N, HELIX 12 CHIRP-GPS G3N HELIX 10 CHIRP-GPS G4N, HELIX 10 CHIRP-GPS G3N HELIX 9 CHIRP-GPS G4N, HELIX 9 CHIRP-GPS G3N HELIX 9 CHIRP-GPS G4N, HELIX 8 CHIRP-GPS G3N	12	HELIX 12 CHIRP-SI-GPS HELIX 10 SI-GPS HELIX 9 SI-GPS		APEX 19 MSI   APEX 16 MSI   APEX 13 MSI SOLIX 15 MSI G3, SOLIX 15 MSI G2, SOLIX 15 MDI G2 SOLIX 15 MDI G2.
	HELIX 8 MSI-GPS G4N , HELIX 8 MSI-GPS G3N	HELIX 5 CHIRP-GPS G4N, HELIX 7 CHIRP-GPS G3N, HELIX 7 CHIRP-GPS G3, HELIX 5 CHIRP-GPS G3	13	HELIX 12 CHIRP·DI·GPS G2N, HELIX 12 CHIRP·DI·GPS	17	SOLIX 12 MSI G3, SOLIX 12 MSI G2, SOLIX 12 MDI G2 SOLIX 10 MSI G3, SOLIX 10 MSI G2,
2	HELIX 15 MDI·GPS G4N HELIX 12 MDI·GPS G4N, HELIX 12 MDI·GPS G3N HELIX 10 MDI·GPS G4N, HELIX 10 MDI·GPS G3N	HELIX 12 CHIRP-MEGA SI-GPS G2N HELIX 10 CHIRP-MEGA SI-GPS G2N		HELIX 10 CHIRP·DI·GPS G2N, HELIX 10 DI·GPS HELIX 9 CHIRP·DI·GPS G2N, HELIX 9 DI·GPS		SOLIX 10 MDI G2 NOTE: These transducers provide 2D only.
	HELIX 10 MDI GPS G4N, HELIX 10 MDI GPS G3N	HELIX 10 CHIRP MEGA SI GPS G2N		HELIX 7 CHIRP·DI G2, HELIX 7 CHIRP·DI·GPS G2.	_	
2	HELIX 7 MSI·GPS G4N, HELIX 7 MSI·GPS G4,	HELIX 12 CHIRP-MEGA DI-GPS G2N	14	HELIX 7 CHIRP DI GI 5 G2, HELIX 7 CHIRP DI GPS G2N, HELIX 7 DI GPS, HELIX 7 DI, HELIX 5 DI G2.	18	SOLIX 15   SOLIX 12   SOLIX 10
_	HELIX 7 MSI·GPS G3N, HELIX 7 MSI·GPS G3	9 HELIX 10 CHIRP·MEGA DI·GPS G2N HELIX 9 CHIRP·MEGA DI·GPS G2N		HELIX 5 CHIRP·DI·GPS G2,	19	SOLIX 15   SOLIX 12   SOLIX 10
	HELIX 8 MDI·GPS G4N, HELIX 8 MDI·GPS G3N HELIX 7 MDI·GPS G4N, HELIX 7 MDI·GPS G4,	HELIX 12 CHIRP·GPS G2N, HELIX 12 CHIRP·GPS		HELIX 5 DI·GPS, HELIX 5 DI		NOTE: These transducers provide 2D only.
4	HELIX 7 MDFGPS G4N, HELIX 7 MDFGPS G4, HELIX 7 MDFGPS G3N, HELIX 7 MDFGPS G3	HELIX 10 CHIRP GPS G2N, HELIX 10 SONAR GPS HELIX 9 CHIRP GPS G2N, HELIX 9 SONAR GPS	45	APEX 19 MSI   APEX 16 MSI   APEX 13 MSI SOLIX 15 MSI G3, SOLIX 15 MSI G2	20	SOLIX 15   SOLIX 12   SOLIX 10 ONIX <sup>®</sup> – Down Imaging
5	HELIX 5 CHIRP DI-GPS G3	10 HELIX 7 SONAR G2, HELIX 7 CHIRP GPS G2, HELIX 7 CHIRP GPS G2N, HELIX 7 SONAR, HELIX 7 SONAR GPS	15	SOLIX 12 MSI G3, SOLIX 12 MSI G2 SOLIX 10 MSI G3, SOLIX 10 MSI G2	-	SOLIX 15 MEGA SI
_		HELIX 5 SONAR G2, HELIX 5 CHIRP GPS G2, HELIX 5 SONAR, HELIX 5 SONAR GPS	. –	SOLIX 15 MDI G2	21	SOLIX 12 MEGA SI SOLIX 10 MEGA SI
6	HELIX 7 CHIRP SI GPS G4	HELIX 7 CHIRP-SI-GPS G2, HELIX 7 CHIRP-SI-GPS G2N, HELIX 7 SI-GPSHELIX 5 CHIRP-SI-GPS G2, HELIX 5 SI-GPS		16 SOLIX 12 MDI G2 SOLIX 10 MDI G2		NOTE: These transducers provide 2D only.

#### STAINLESS STEEL THRU-HULL MEGA SIDE IMAGING TRANSDUCER

Reach greater depths with greater clarity. Built to withstand harsh saltwater conditions, this stainless steel thru-hull transducer delivers crisp returns for MEGA Side Imaging and MEGA Down Imaging, as well as Dual Spectrum CHIRP when connected with with a compatible Humminbird control unit.

Includes: fairing block and mounting hardware.

Compatible Models APEX (all models) SOLIX MSI (G3/G2 models)

# **TRANSDUCER CABLES**



UNT KIT | KAYAK MOUNT KIT Transducer mounting e and float hardware for installation in a 9 and XI 9 20 kayak. Kit includes surfacepreparation products in addition to a transducer cradle and adhesive products.



EXTENSION 10 FT AND 30 FT Add extra length to standard transducer cables. Available in two lengths, cable plugs into existing transducer and your fish finder.





SPLITTER

DUAL BEAM Continuously splits Side Imaging signal and Dual Beam signal. For use with a second transducer without a switch.

LEFT/RIGHT
Splits Side Imaging
source signal into
left and right output
for two Side Imaging
transducers.

-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
-	EC M10   EC M30	-	-
-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
-	EC M10   EC M30	_	-
-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
_	EC M10   EC M30	-	-
-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
-	EC M10   EC M30	-	-
МНХ ХМК	EC M10   EC M30	-	-
-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
-	EC M10   EC M30	9 M SIDB Y	9 M SILR Y
MHX XMK DI	EC M10   EC M30	-	-
MHX XMK DI	EC M10   EC M30	_	-
-	EC M3 14W10   EC M3 14W30	14 M ID SIDB Y	14 M ID SILR Y
-	EC M3 14W10   EC M3 14W30	-	-
-	EC M3 14W10   EC M3 14W30	-	-
MHX XMK DI	EC M3 14W10   EC M3 14W30	_	-
MHX XMK	EC M3 14W10   EC M3 14W30	-	-
MHX XMK DI	EC M3 14W10   EC M3 14W30	_	-
_	EC M3 14W10   EC M3 14W30	14 M ID SIDB Y	14 M ID SILR Y



### AIRMAR CHIRP TRANSDUCERS

Take advantage of the full capability of APEX, SOLIX and HELIX's CHIRP Digital Sonar with Airmar CHIRP transducers. Durable, precise and innovative, these industry-leading transducers are available through your dealer. For more information, talk to your dealer or visit AirmarTechnology.com.





# ETHERNET NETWORKING

ETHERNET

ADAPTER CABLE

15/12/10/9/8/7. Ethernet-ready select

800/900/1100 Series and 700 HD Series

Allows Ethernet connection to HELIX

units. Cable is 12-inches long.

ETHERNET

AS EC ODE (12 IN)

#720074-1

#760025-1

#### ETHERNET CABLES

Quickly set up an Ethernet connection between two Humminbird Ethernetcapable units. Available in five lengthsyou select the length you need.

AS EC 5E (5 FT) #720073-6 AS EC 10E (10 FT) #720073-2 AS EC 15E (15 FT) #720073-5 AS EC 20E (20 FT) #720073-3 AS EC 30E (30 FT)





### DUAL HELIX STARTER KITS

Bring it all together with these quick and easy kits. Everything you need to network two Ethernet-equipped HELIX models on your fiberglass or aluminum boat is in each kit. Connect the included in-hull or transom mount Dual Spectrum CHIRP transducer to an existing Side/Down Imaging transducer using the enclosed splitter cable. Also included is an adapter cable to connect compatible HELIX 8, 9, 10, 12, 15 MEGA Imaging units to select Minn Kota motors with built-in MEGA Down Imaging.

DUAL HELIX STARTER KIT HWAL MI - TRANSOM (shown) #700062-1

DUAL HELIX STARTER KIT HWFG MI - IN-HULL #700063-1



# CONNECTION CHART

#### STEP 1

Find the group numbers for the two models you plan to network

GROUP1	GROUP 2	GROUP 3
APEX Series SOLIX Series	HELIX 15 Series HELIX 12 Series HELIX 10 Series HELIX 9 Series HELIX 8 Series HELIX 7 G2N/G3N/G4N Series	1199ci HD 959ci HD 1159ci HD DI 899ci HD 1159ci HD 859ci HD DI 999ci HD 859ci HD DI 959ci HD DI

## **STEP 2**

Cross reference the group numbers to find the required cables to network your models

	SECOND MODEL TO NETWORK					
		1	2	з		
EL TO	1	Ethernet Cable	Ethernet Cable plus (1) Ethernet Cable plus (1 AS EC QDE AS EC QDE			
FIRST MODEL NETWORK	2	Ethernet Cable plus (1) AS EC QDE	Ethernet Cable plus (2) AS EC QDE	Ethernet Cable plus (2) AS EC QDE		
FIRST	3	Ethernet Cable plus (1) AS EC QDE	Ethernet Cable plus (2) AS EC QDE	Ethernet Cable plus (2) AS EC QDE		

#### 5-PORT ETHERNET SWITCH

Easily create a network using Ethernet-capable Humminbird fish finders. This waterproof, plug-andplay switch allows you to connect up to five Ethernet-based components. Some Sonar/GPS models require an additional adapter (see list to the right).

AS ETH 5PXG #408450-1



	Models	Cables Required	
	APEX and SOLIX Series	AS EC 5/10/15/20/30E*	
	HELIX 15, 12, 10, 9, 8 Series	AS EC 5/10/15/20/30E plus AS EC QDE	
	HELIX 7 G2N/G3N/G4N Series	AS EC 5/10/15/20/30E plus AS EC QDE	
*(1) Ethernet cable required to connect each networking			

fish finder (see Connection Chart above)

# **POWER CABLES**

Cables come in standard six-foot lengths, but can be extended with 18awg multi-strand wire. Connect power to a fuse panel, or through inline fuse holder (not included) if hooked directly to the battery.

Models	Cables	PC 12 0
APEX Series and MEGA Live	PC 13	#72008
SOLIX Series	PC 12	
HELIX 15, 12, 10, 9, 8, 7, 5 Series	PC 11 (Recommended for all Down Imaging and Side Imaging products)	PC 11 #72005
	PC HELIX 12V DC (Not intended for permanent installation)	DC 10
HELIX 7, 5 Series	PC 10 PC HELIX 12V DC (Not intended for permanent installation)	PC 10 #72000
MEGA 360	PC MEGA 360	PC HEL 12V DC #720105





# **EXTERNAL GPS MODULES**

Choose from two external GPS solutions. The AS GRP provides fast and precise position fixes accurate within 8.2 feet, even in lower signal areas. With an integrated heading sensor, the AS GPS HS lets you see compass information and your boat's orientation while moving or sitting still.

Some Humminbird mod	AS GPS HS	
Models	Accessories Required	#408400-1
APEX Series	AS GPS cable required to connect external GPS module	AS GRP #408920-1
SOLIX Series	AS GPS NMEA cable required to connect external GPS module	-
HELIX 15, 12, 10, 9, 8 S	ieries N/A	
HELIX 7 G2N/G3N/G4I	N Series N/A	

# **AUTOPILOT ACCESSORIES**

Never deviate from your route with the precise control and proven performance of your Humminbird AutoPilot™ system. Easily navigate the SC 110 User Interface thanks to intuitive keys and menus, and a full-color, sunlight-readable display. This rugged pilot features advanced steering-control technology that holds its course even in high winds. Let it take the helm with total confidence, whatever the sea's conditions.



#409100-1

SC 110

SC 110 AUTOPILOT KIT (shown) #400052-1



# **MOUNTING HARDWARE / COVERS / CASES**

	Ľ,	9 <mark>0</mark> 0				
	UNIT MOUNTS Use for a second mounting location on your boat or as a great	MOUNTING KNOBS Use for gimbal bracket units.	IN-DASH MOUNTING KITS Rugged in-dash mounting kits let you panel-mount your Humminbird for a fully	UNIT COVERS Cover protects your Humminbird for storage. Hard plastic or neoprene covers	CARRYING CASES Protect your ICE Series flasher with one of these rugged cases featuring	PORTABLE CASE CONVERSION KIT Portable conversion kits provide a rugged protective case with internal battery compartment and all the hardware needed
SERIES	replacement for a worn original.		integrated appearance. Includes all mounting hardware.	depending on model.	plenty of space for the unit, mount and other accessories.	to convert your Humminbird for portable use.
APEX 19 Series	GM A19	_	IDMK RM A19 or IDMK FM APX	UC A19	_	_
APEX 16 Series	GM A16	-	IDMK RM A16 or IDMK FM APX	UC A16	-	_
APEX 13 Series	GM A13	-	IDMK RM A13 or IDMK FM APX	UC A13	-	-
SOLIX 15 Series	GM S15	MKH S	IDMK S15R	UC S15	-	-
SOLIX 12 Series	GM S12	MKH S	IDMK S12R	UC S12	-	-
SOLIX 10 Series	GM 510	MKH S	IDMK S10R	UC S10	-	-
HELIX 15 Series	GM H15	-	IDMK H15	UC H15	-	-
HELIX 12 Series	GM H12	MKH HL	IDMK H12R	UC H12		=
HELIX 10 G1 Series	GM H910	MKH HL	IDMK H910R	UC H910	-	_
HELIX 10 G2N/G3N/G4N Series	GM H910	MKH HL	IDMK H910R	UC H910	-	HELIX ICE CNVRSN KIT
HELIX 9 G1/G2N Series	GM H910	MKH HL	IDMK H910R	UC H910	-	HELIX ICE CNVRSN KIT
HELIX 9 G3N/G4N Series	GM H910	MKH HL	IDMK H89R	UC H89	-	HELIX ICE CNVRSN KIT
HELIX 8 Series	GM H910	MKH HL	IDMK H89R	UC H89	-	HELIX ICE CNVRSN KIT
HELIX 7 G1 Series	GM H7	MKH HS	IDMK H7R	UC H7R2	-	ICE PTC XI 9 20 H57, PTC U2 or PTC UNB2
HELIX 7 G2/G3/G4/G2N/G3N Series	GM H7	MKH HS	IDMK H7R	UC H7R2	-	HELIX ICE CNVRSN KIT, PTC U2 or PTC UNB2
HELIX 7 G4N Series	GM H7R2	MKH H5	IDMK H7R2	UC H7R2	-	HELIX ICE CNVRSN KIT, PTC U2 or PTC UNB2
HELIX 5 G1 Series	GM H5	MKH HS	IDMK H5	UC H5	-	ICE PTC XI 9 20 H57, PTC U2 or PTC UNB2
HELIX 5 G2 Series	GM H5	MKH HS	IDMK H5	UC H5	-	ICE PTC CHIRP H5 FB, PTC U2 or PTC UNB2
ICE 35, 45, 55	-	MKH 2	-	-	CC ICE	-
ICE HELIX 5 G2/G3 Series	GM H5	MKH ICE HS FB	IDMK H5	UC H5	-	ICE PTC CHIRP H5 FB, PTC U2 or PTC UNB2
ICE HELIX 7 G2/G3 Series	GM H7	MKH ICE H7 FB	IDMK H7R	UC H7R2	-	HELIX ICE CNVRSN KIT, PTC U2 or PTC UNB2
ICE HELIX 7 G4 Series	GM H7	MKH 5	IDMK H7R	UC H7R2	-	HELIX ICE CNVRSN KIT, PTC U2 or PTC UNB2











# **BOAT RIGGING GUIDE**

Here are some examples for configuring your One-Boat Network. For more, visit Humminbird.com/Support/Installation-Diagrams.

■ NMEA 0183 ■ Ethernet ■ 12V DC Power ■ Transducer Cable 🔊 Bluetooth® Signal

#### **SALTWATER INSTALLATION 1**

Minn Kota Riptide trolling motor with i-Pilot Link and (1) console-mounted Humminbird unit, with heading sensor GPS puck and high-speed transducer with y-cable.

	HELIX SERIES	APEX/SOLIX SERIES
1	Ethernet Adapter Cable AS EC QDE   #720074-1	Ethernet Adapter Cable N/A
2	GPS + Heading Sensor AS GPS HS   #408400-1	GPS + Heading Sensor         SOLIX:           APEX:         SOLIX:           AS GPS HS   #408400-1         AS GPS HS   #408400-1           AS GPS   #720113-1         AS GPS NMEA   #720080-1
з	Minn Kota Trolling Motor with i-Pilot Link*	Minn Kota Trolling Motor with i-Pilot Link*
4	Transducer Splitter Cable 9 M SIDB Y   #720101-1	Transducer Splitter Cable 14 M ID SIDB Y   #720111-1
5	High Speed Transducer (fiberglass hull) XP 9 HW T   #710276-1	High Speed Transducer (fiberglass hull) XP 14 HW T   #710287-1
	High Speed Transducer (aluminum hull) XNT 9 HW T   #710274-1	High Speed Transducer (aluminum hull) XNT 14 HW T   #710285-1
		Optional Transducer Airmar CHIRP Transducer
6	<b>Optional Transducer (thru-hull)</b> SSTH 14 HW MSI+ T   #710302-1 MKR-MI-1 HB   #1852088	Optional Transducer (thru-hull) SSTH 14 HW MSI+ T   #710302-1

\*One (1) AS EC 30E 30 ethernet cable included with trolling motor.

The accessories and part numbers listed above are valid as of November 2021. Installations shown are for HELIX G3N/G4N and APEX/S0LIX G2/G3 networking models and Minn Kota trolling motors with i-Pilot Link.

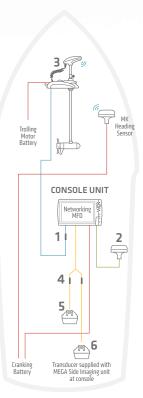
### **SALTWATER INSTALLATION 3**

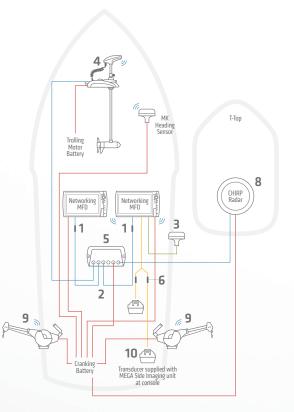
Minn Kota Riptide trolling motor with i-Pilot Link, (2) console-mounted Humminbird units, Humminbird CHIRP radar, Cannon Optimum Downriggers, with heading sensor GPS puck and high-speed transducer with y-cable.

	HELIX SERIES	APEX/SOLIX SERIES	
1	Ethernet Adapter Cable (Need 2) AS EC QDE   #720074-1	Ethernet Adapter Cable N/A	
2	Ethernet Cable (Need 2) AS EC 55 (S <sup>1</sup> ) #720073-6 AS EC 105 (10 <sup>1</sup> ) #720073-2 AS EC 155 (15 <sup>1</sup> ) #720073-2 AS EC 20E (20 <sup>1</sup> ) #720073-3 AS EC 30E (30 <sup>1</sup> ) #720073-4	Ethernet Cable (Need 2)           AS EC 5E (5')         #720073-6           AS EC 10E (10')         #720073-2           AS EC 15E (15')         #720073-5           AS EC 20E (20')         #720073-3           AS EC 30E (30')         #720073-4	
3	GPS + Heading Sensor AS GPS HS   #408400-1	CPS + Heading Sensor         SOLIX:           APEX:         SOLIX:           AS GPS HS   #408400-1         AS GPS HS   #408400-1           AS GPS   #720113-1         AS GPS NMEA   #720080-1	
4	Minn Kota Trolling Motor with i-Pilot Link*	Minn Kota Trolling Motor with i-Pilot Link*	
5	5-Port Ethernet Switch AS ETH 5PXG   #408450-1	5-Port Ethernet Switch AS ETH 5PXG   #408450-1	
		Note: Networks exclusively with APEX units do not require 5-Port Ethernet Switch	
6	Transducer Splitter Cable 9 M SIDB Y   #720101-1	Transducer Splitter Cable 14 M ID SIDB Y   #720111-1	
7	High Speed Transducer (fiberglass hull) XP 9 HW T   #710276-1	High Speed Transducer (fiberglass hull) XP 14 HW T   #710287-1	
	High Speed Transducer (aluminum hull) XNT 9 HW T   #710274-1	High Speed Transducer (aluminum hull) XNT 14 HW T   #710285-1	
		Optional Transducer Airmar CHIRP Transducer	
8	Radar HB 2124 CHIRP Radar   #750013-1	Radar HB 2124 CHIRP Radar   #750013-1	
9	Optimum TS Downriggers (Need 2) Optimum TS   #1902340	Optimum TS Downriggers (Need 2) Optimum TS   #1902340	
10	Optional Transducer (thru-hull) SSTH 14 HW MSI+T   #710302-1 MKR-MI-1 HB   #1852088	Optional Transducer SSTH 14 HW MSI+T   #710302-1	

\*One (1) AS EC 30E 30 ethernet cable included with i-Pilot Link trolling motor.

The accessories and part numbers listed above are valid as of November 2021. Installations shown are for HELIX G3N/G4N and APEX/SOLIX G2/G3 networking models and Minn Kota trolling motors with i-Pilot Link.





## SALTWATER INSTALLATION 2

Minn Kota Riptide trolling motor with i-Pilot Link and (2) console-mounted Humminbird units, with heading sensor GPS puck and high-speed transducer with y-cable.

	HELIX SERIES	APEX/SOLIX SERIES
1	Ethernet Adapter Cable (Need 2) AS EC QDE   #720074-1	Ethernet Adapter Cable N/A
2	Ethernet Cable (Need 2) AS EC 55 (5)   #720073-6 AS EC 10E (10')   #720073-2 AS EC 15E (15')   #720073-2 AS EC 20E (20')   #720073-3 AS EC 30E (20')   #720073-4 AS ECX 30E (30')   #760025-1	Ethermet Cable (Need 2) AS EC ES (5)   #720073-6 AS EC 10E (10')   #720073-2 AS EC 15E (15')   #720073-5 AS EC 20E (20')   #720073-3 AS EC 30E (30')   #720073-4 AS ECX 30E (30')   #760025-1
3	GPS + Heading Sensor AS GPS HS   #408400-1	GPS + Heading Sensor         SOLIX:           APEX:         SOLIX:           AS GPS HS   #408400-1         AS GPS HS   #4           AS GPS   #720113-1         AS GPS NMEA
4	Minn Kota Trolling Motor with i-Pilot Link*	Minn Kota Trolling Motor with i-Pilot Link*
5	5-Port Ethernet Switch AS ETH 5PXG   #408450-1	5-Port Ethernet Switch AS ETH 5PXG   #408450-1
		Note: Networks exclusively with APEX units do r 5-Port Ethernet Switch
6	High Speed Transducer (fiberglass hull) XP 9 HW T   #710276-1	High Speed Transducer (fiberglass hull) XP 14 HW T   #710287-1
	High Speed Transducer (aluminum hull) XNT 9 HW T   #710274-1	High Speed Transducer (aluminum hull) XNT 14 HW T   #710285-1
		Optional Transducer Airmar CHIRP Transducer
7	Transducer Splitter Cable 9 M SIDB Y   #720101-1	Transducer Splitter Cable 14 M ID SIDB Y   #720111-1
8	Minn Kota Talon/Raptor with Bluetooth Talon SWA	Minn Kota Talon/Raptor with Bluetooth Talon SWA
9	<b>Optional Transducer (thru-hull)</b> SSTH 14 HW MSI+T   #710302-1 MKR-MI-1 HB   #1852088	Optional Transducer (thru-hull) SSTH 14 HW MSI+T   #710302-1

\*One (1) AS EC 30E 30 ethernet cable included with trolling motor.

The accessories and part numbers listed above are valid as of November 2021. Installations shown are for HELIX G3N/G4N and APEX/S0LIX G2/G3 networking models and Minn Kota trolling motors with i-Pilot Link.

#### **SALTWATER INSTALLATION 4**

Minn Kota Riptide trolling motor with i-Pilot Link, (2) console-mounted Humminbird units, (1) Humminbird unit at second station, Humminbird CHIRP radar and Talon Shallow Water Anchors.

	HELIX SERIES	APEX/SOLIX SERIES
1	Ethernet Adapter Cable (Need 3) AS EC QDE   #720074-1	Ethernet Adapter Cable N/A
2	Ethernet Cable (Need 3) AS EE 55 (5)   #720073-6 AS EC 10E (10)   #720073-2 AS EC 15E (15)   #720073-2 AS EC 20E (20')   #720073-3 AS EE 30E (30')   #720073-4	Ethermet Cable (Need 3) AS EC 55 (5)   #720073-6 AS EC 105 (10)   #720073-2 AS EC 155 (15)   #720073-5 AS EC 20E (20)   #720073-3 AS EC 30E (30)   #720073-4
3	GPS + Heading Sensor AS GPS HS   #408400-1	GPS + Heading Sensor         SOLIX:           APEX:         SOLIX:           AS GPS HS   #408400-1         AS GPS HS   #408400-1           AS GPS   #720113-1         AS GPS NMEA   #408400-1
4	Minn Kota Trolling Motor with i-Pilot Link*	Minn Kota Trolling Motor with i-Pilot Link*
5	5-Port Ethernet Switch AS ETH 5PXG   #408450-1	5-Port Ethernet Switch AS ETH 5PXG   #408450-1
		Note: Networks exclusively with APEX units do no 5-Port Ethernet Switch
6	Transducer Splitter Cable 9 M SIDB Y   #720101-1	Transducer Splitter Cable 14 M ID SIDB Y   #720111-1
7	High Speed Transducer (fiberglass hull) XP 9 HW T   #710276-1	High Speed Transducer (fiberglass hull) XP 14 HW T   #710287-1
	High Speed Transducer (aluminum hull) XNT 9 HW T   #710274-1	High Speed Transducer (aluminum hull) XNT 14 HW T   #710285-1
		Optional Transducer Airmar CHIRP Transducer
8	<b>Radar</b> HB 2124 CHIRP Radar   #750013-1	Radar HB 2124 CHIRP Radar   #750013-1
9	Minn Kota Talon/Raptor with Bluetooth (Need 2) Talon SWA	Minn Kota Talon/Raptor with Bluetooth (Need 2 Talon SWA
10	<b>Optional Transducer (thru-hull)</b> SSTH 14 HW MSI+T   #710302-1 MKR-MI-1 HB   #1852088	Optional Transducer (thru-hull) SSTH 14 HW MSI + T   #710302-1

\*One (1) AS EC 30E 30 ethernet cable included with i-Pilot Link trolling motor.

The accessories and part numbers listed above are valid as of November 2021. Installations shown are for HELIX G3N/G4N and APEX/S0LIX G2/G3 networking models and Minn Kota trolling motors with i-Pilot Link.





