

HUMMINBIRD GPS COMPARISON

MODEL	385ci COMBO KAYAK	385ci COMBO PORTABLE	587CI COMBO	778c HD SONAR	798c SI COMBO	898c SI COMBO	998c SI COMBO	1198c SI COMBO
UNIT DIMENSIONS	5.25" W x 7.4" H x 4" D	5.25" W x 7.4" H x 4" D	6.9" W x 7.5" H x 4.5" D	6.9" W x 7.5" H x 4.5" D	6.9" W x 7.5" H x 4.5" D	11" W x 6" H x 4" D	11" W x 6" H x 4" D	13.1" W x 9.3" H x 2.9" D
DISPLAY SIZE	3.5" diag	3.5" diag	4.5" diag	5.0" diag	5.0" diag	7.0" diag	8.0" diag	10.4" diag
DISPLAY RESOLUTION	320V x 240H	320V x 240H	640V x 480H	640V x 480H	640V x 480H	480V x 800H	480V x 800H	600V X 800H
DISPLAY TYPE	256 Color TFT	256 Color TFT	256 Color TFT	256 Color TFT	256 Color TFT	Color TFT	16:9 Color TFT	4:3 Color TFT W/ 65,000 Colors
WAYPOINTS	2000	2000	3000	750	3000	3000	3000	3000
ROUTES	50	50	50	0	50	50	50	50
TRACKLOG	50 w/20,000 points each	50 w/20,000 points each	50 w/20,000 points each	10 w/2,000 points each	50 w/20,000 points each	50 w/20,000 points each	50 w/20,000 points each	50 w/20,000 points each
DUALBEAM PLUS	Y	Y	Y	Y	Y	Y	Y	Y
FREQUENCY	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db	200 kHz / 20° @ -10db 83 kHz / 60° @ -10db
TRANSMIT POWER	300 Watts (RMS) 2400 Watts (Peak-to-Peak)	300 Watts (RMS) 2400 Watts (Peak-to-Peak)	300 Watts (RMS) 2400 Watts (Peak-to-Peak)	500 Watts (RMS) 4000 Watts (Peak-to-Peak)	500 Watts (RMS) 4000 Watts (Peak-to-Peak)	1,000 Watts (RMS) 8,000 Watts (Peak-to-Peak)	1,000 Watts (RMS) 8,000 Watts (Peak-to-Peak)	1,000 Watts (RMS) 8,000 Watts (Peak-to-Peak)
SIDE IMAGING	-	-	-	-	455 kHz / (2) 86° @ -10db Depth: 150 ft 180° total coverage	455 kHz / (2) 86° @ -10db Depth: 150 ft 180° total coverage	455 kHz / (2) 86° @ -10db Depth: 150 ft 180° total coverage	455 kHz / (2) 86° @ -10db Depth: 150 ft 180° total coverage
DEPTH	1000 ft.	1000 ft.	1000 ft.	1500 ft.	1500 ft.	1500 ft.	1500 ft. (3000 ft with optional 200/50 kHz transducer for deepwater use)	1500 ft. (3000 ft with optional 200/50 kHz transducer for deepwater use)
TARGET SEPARATION	2.5 inches	2.5 inches	2.5 inches	2.5 inches	2.5 inches	2.5 inches	2.5 inches	2.5 inches
TEMPERATURE	included	included	included	included	included	included	included	included
GPS	Precision GPS	50 Channel GPS	Precision GPS	16 or 50 Channel GPS (optional)	50 Channel GPS	Precision GPS	Precision GPS	Precision GPS
TRACKPLOT TONG	Y	Y	-	optional	Y	Y	Y	Y
CHARTPLOT TONG	Y	Y	Y	-	Y	Y	Y	Y
GPS SPEED	Y	Y	Y	capable	Y	Y	Y	Y
HUMMINBIRD UNIMAP	Y	Y	Y	-	Y	-	-	-
HUMMINBIRD CONTOUR XD	-	-	-	-	-	Y	Y	Y
NAVIONICS COMPATIBLE	Y	Y	Y	-	Y	Y	Y	Y
LAKEMASTER COMPATIBLE	Y	Y	Y	-	Y	Y	Y	Y
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TRANSDUCER MOUNTING	Inside Hull or Transom	Inside Hull or Transom	Transom	Inside Hull or Transom	Transom	Transom	Transom	Transom
POWER INPUT	10-20 VDC	12V 7Ah battery & charger (not included)	10-20 VDC	10-20 VDC	10-20 VDC	10-20 VDC	10-20 VDC	10-20 VDC
POWER DRAW	Lights off: 380mA	Lights off: 380mA	615 mA	Lights off: 615mA	Lights off: 615mA	Lights off: 780mA	Lights off: 780mA	Lights off: 1.4 Amps
SWITCHFIRE SONAR	Y	Y	Y	-	Y	Y	Y	Y
SCREEN SNAP SHOT TO MEMORY CARD	Y	Y	-	-	-	Y	Y	Y
SONAR RECORDING	Y	Y	-	-	Y	Y	Y	Y
SPLIT SCREEN ZOOM	Y	Y	Y	Y	Y	Y	Y	Y
SPLIT SCREEN BOTTOM LOCK	Y	Y	Y	Y	-	Y	Y	Y
WIDE NARROW CONE SPLIT SCREEN	Y	Y	Y	Y	Y	Y	Y	Y
INSTANT IMAGE UPDATE	Y	Y	-	Y	Y	Y	Y	Y
FREEZE FRAME W/ ABILITY TO MARK STRUCTURE ON SONAR	Y	Y	Y	optional	Y	Y	Y	Y
SELECTIVE FISH ID+	Y	Y	Y	Y	Y	Y	Y	Y
REAL TIME SONAR RTS WINDOW	Y	Y	Y	Y	Y	Y	Y	Y
SONAR ECHO ENHANCEMENT	Y	Y	Y	Y	Y	Y	Y	Y
TRUARCH TECHNOLOGY	Y	Y	Y	Y	-	Y	Y	Y
3D CHART VIEW	Y	Y	Y	-	-	Y	Y	Y
LARGE DIGITS VIEW	Y	Y	Y	Y	Y	Y	Y	Y
CUSTOM VIEW SELECTIONS	Y	Y	Y	Y	Y	Y	Y	Y
CUSTOM DIGITAL READOUT SELECTION	Y	Y	Y	Y	Y	Y	Y	Y
SELECTABLE DISPLAY COLOURS	Y	Y	Y	Y	-	Y	Y	Y
SELECTABLE BACKGROUND COLORS	Y	Y	Y	Y	Y	Y	Y	Y
VIEW PRESET KEYS	-	-	-	Y	-	Y	Y	Y
TEMPERATURE GRAPH	-	-	-	-	-	Y	Y	Y
TEMPERATURE ALARM	Y	Y	-	Y	Y	Y	Y	Y
TRIPLOG	Y	Y	Y	optional	Y	Y	Y	Y
X-PRESS MENU SYSTEM	Y	Y	Y	Y	Y	Y	Y	Y
ETHERNET COMPATIBLE	-	-	-	-	-	-	-	Y
WEATHERSENSE COMPATIBLE	-	-	-	Y	Y	-	-	-
WIRELESS SONAR LINK COMPATIBLE	-	-	-	Y	Y	-	-	-
CANNONLINK COMPATIBLE	-	-	-	Y	Y	Y	Y	Y
INTELINK COMPATIBLE	-	-	-	Y	Y	Y	Y	Y
XM WEATHER COMPATIBLE	-	-	-	-	-	-	Y	Y
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GLOSSARY

Switchfire Sonar	> Gives you the power to choose how returns are displayed. MAX MODE: Incredible detail. You'll see the finest subsurface object—even thermoclines and water currents - for complete underwater coverage. CLEAR MODE: Easy viewing in rough water. Time Variable Gain (TVG) software sifts through sonar returns to display only fish and structure. Great for fishing in shallow and rough water, or reducing undesired clutter in the water column.
Screen Snap Shot to Memory Card	> Snapshots are like a digital picture of the screen and can be saved anytime you mark a hotspot.
Sonar Recording	> Save digital sonar information so you can play it back onscreen, and even fine tune the unit's settings to see what else the returns reveal.
Split Screen Zoom	> Split Screen Zoom increases the displayed resolution to separate sonar returns that are very close together.
Wide Narrow Cone Split Screen	> Separates the sonar data using the two primary user selectable down-looking beams simultaneously in split screen. Fish ID feature Indicates depth and in which beam fish are detected by changing color, size, and/or orientation of the fish icon.
Instant Image Update	> As the boat moves through the water, the sonar chart updates in real time to show the latest information on the sonar screen.
Freeze Frame w/ the ability to Mark Structure	> Pressing any arrow on the 4 way cursor control instantly stops the Side Imaging graphic display to allow a closer inspection of submerged structure, baitfish, and underwater contours. Movable cursor feature allows you to instantly discern depth of any sonar return and mark waypoints from the sonar screen for navigation. Pressing the EXIT key will exit the freeze frame and the display will start to resume scrolling. Mark the location of fish attracting structure, bottom transitions, or
Selective Fish ID+	> Fish ID+ uses advanced sonar processing to interpret sonar returns, and displays a Fish Symbol when very selective requirements are met. When a fish is detected, a fish icon and its depth are displayed above the return that has been classified as being a fish. Three different fish icons represent intensity of the sonar return, and provide an indicator of relative fish size. DualBeam PLUS™ equipped models represent targets detected in the 200kHz narrow beam as Orange Fish Symbols, and represent targets detected in the 83kHz wide beam as Blue Fish Symbols.
Real Time Sonar RTS Window	> A Real Time Sonar (RTS®) Window appears on the right side of the display in the Sonar View only. The RTS® Window always updates at the fastest rate possible and shows only the returns from the bottom, structure, and fish that are within the transducer beam. The RTS® window can be displayed as narrow (standard), wide, or off.
TrueArch Technology	> TrueArch™ Technology utilizes parallel processing of sonar data to eliminate unwanted interference and noise and reveal unaltered sonar echoes resulting in true arches of fish targets. This helps anglers more quickly discern the size and depth of fish targets.
Large Digits View	> Also known as Big Digits View provides digital data in a large, easy-to-see format. Depth is always displayed. Readouts for temperature, speed, and Triplog information are displayed automatically if the appropriate accessory is connected. The Triplog shows distance traveled, average speed, and time elapsed since the Triplog was last reset. The digital readouts in the Big Digits View cannot be customized.
Custom View Selections	> User selectable views allows you to see only the views that you want, giving you the flexibility to access the information you need quickly and easily.
Custom Digital Readout Selection	> Advanced User Mode allows customization of digital readouts. Select from available options on all 5 different readout boxes.
Selectable Display Colors	> Sonar Colors allows you to select which color palette you would like to use for the display. There are eight choices; Standard, Gray, Inverse, Green, Palette 1, Palette 2, Palette 3. (White is the standard Background Color) Background Colors can be changed between White(standard), Blue, and Black.
Selectable Background Colors	> There are three different Background choices for a combination of twelve different possibilities for Display Colors. GPS Views only allow the Background to be changed.
View Preset Keys	> The View Preset Keys are used to program your three favorite views for quick retrieval. Instead of using the VIEW key to cycle through every view to find the one you want, you can program these to display a specific view immediately.
Temperature Graph	> Temperature Graph allows you to display or suppress a water temperature graph over the main Sonar View to show temperature changes correlated to recent sonar history.
Temperature Alarm	> Allows you to preset and display an alarm when a desired temperature is reached. Especially useful to find fish that tend to stay isolated to certain temperature bands.
Triplog	> The Triplog is a selectable readout and will only appear in the menu if a Speed Accessory, GPS or Paddlewheel, is connected. The Triplog provides average speed, distance traveled, and elapsed time information.
X-Press™ Menu System	> The X-Press Menu provides quick access to the settings most frequently used. Press the Menu key once to access the X-Press menu. This simple and convenient feature saves valuable time when you want to change the most used settings. Press the menu key a second time to access the main menu.