

## Specifications of KCS-2200Z

Display section: PPI image by TFT liquid crystal color display  
 Display resolution: SXGA (1280×1024)  
 Display colors: Sonar image – 32-color display  
 Character – 4-color display  
 Marker – 2-color display  
 Nominal frequency: 24 kHz, 28 kHz, or 32 kHz  
 Display modes: Head-up, north-up, and true motion (\*External signals are necessary.)  
 Additional modes: Stabilization (±20-degree compensation),  
 off-center (enlarged 1.5 times in a desired direction)  
 Simultaneous screen modes: Vertical section screen(1 direction, 2 directions),  
 sonar 2 directions, memory image, sonar enlarged screen,  
 multiple screen, fish finder image  
 Ranges: Any 10 ranges can be selected out of 200, 250, 300, 400, 500, 600,  
 700, 800, 900, 1000, 1200, 1400, 1500, 1600, 1800, 2000, 2500, 3000,  
 4000, and 5000. The range is enlarged 1.5 times for off-center.  
 Pulse width: 0.5-120 msec  
 Listening-sound output: 2 W (8 Ω)  
 Receiving method: Super heterodyne method, real-time beam method, and forming method  
 Transmission method: OMNI transmission/Special transmission method

Audio frequency: 750 Hz  
 Tilt angle range: 20° upward-60° degrees downward  
 Section detection range: 0°-60° downward  
 Beam (at 3dB): Transmission-Horizontal 360°×60°, Section 12°×60°  
 Receiving-Horizontal 9°×9°, Section 10°×12°  
 Additional functions: Interference elimination, signal processing, clutter, TVG, AGC,  
 memory card, and auto tilt angle functions  
 Display marks: Own boat mark, wake mark, cross-line cursor,  
 event mark (max.10 event marks), north mark, direction mark,  
 cast-net mark, tidal current mark and other marks.  
 (\*Some marks are displayed only when external signals are input.)  
 External signal input: NMEA0183 Four inputs available with NMEA 0183, while Kaijo's  
 devices are connected for 2 inputs.  
 NMEA0183 Own boat position, tidal current mark and other marks,  
 seabed depth, sea water temperature, and bow bearing  
 Kaijo's devices: IF-17 and GC-21  
 LL=1500 mm, L=1300 mm  
 Hoist unit stroke: Receiving Single-phase 100VAC, 50/60 Hz, and 600VA  
 Power supply: Sending 3-phase 220VAC, 50/60Hz, and 4000VA  
 Hoist unit 3-phase 220VAC, 50/60Hz, and 1500VA

## System Components The ☆-marked items are optional.

Display section	LCD monitor	1 unit	—	—
Control section	RC-14 remote controller	1 unit	1kg	200×50×172mm
Processing section	PRC-43 processor unit	1 unit	37kg	465×302×654mm
Receiving section	RX-38 receiver	1 unit	90kg	652×445×754mm
Transmission section	TX-15 transmitter	1 unit	150kg	622×470×910mm
Power supply section	P-71 power box	1 unit	80kg	440×270×650mm
Hoist section	M-88 hoist unit	1 unit	890kg	3100×995mm
Power distribution unit	P-80 power distribution box	1 unit	3kg	—
☆ Gyro converter section	GC-21 gyro converter	1 unit	5kg	230×110×310mm
☆ Interface section	IF-17 interface	1 unit	7kg	400×320×160mm



### System Diagram

The ☆-marked items are optional.

