

**NEW**

**KODEN**

Digital Searchlight Sonar

((DIGITAL))

# KDS-5500BB

High sensitivity over long range!

80/140/180 kHz

Selectable Frequency at time of purchase

17 inch LCD monitor (optional)

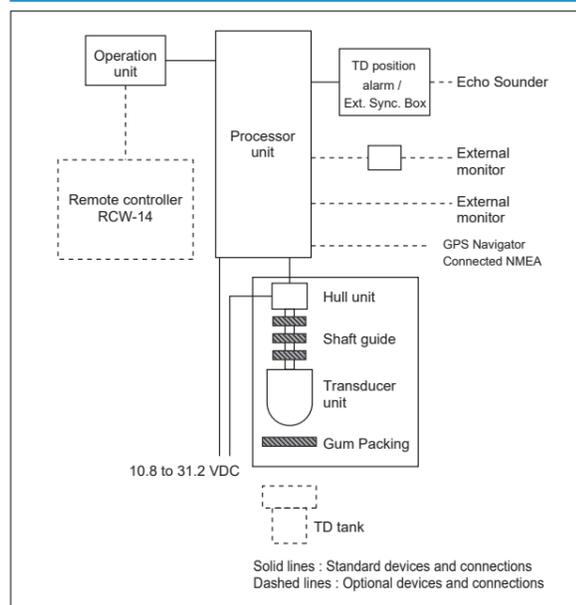


Black box type

**SPECIFICATIONS**

Model	KDS-5500BB											
Output power (RMS)	1.5 kW											
Output frequency	80 kHz, 140 kHz, 180kHz (Select at time of purchase)											
Tilt angle	5° to 90° (1° step)											
Beam angle	80 kHz : 19° / 140 kHz : 12° / 180 kHz : 10°											
TD stroke	150 to 380 mm (Recommended value 150 mm)											
Display size and type	Any monitor with VGA resolution (Owner supplied)											
Basic ranges	10 to 1000 (m), 10 to 700 (Lfm), 30 to 3000 (ft), 10 to 600 (fm) (8 ranges can be set to users choice)											
Range units	m, fm, ft, Lfm											
Scanning sector angles	Scanning	5° step: 5°, 25°, 45°, 85°, 125°, 165°, 205°, 360°										
	10° step	10°, 30°, 50°, 90°, 130°, 170°, 210°, 360°										
	15° step	15°, 45°, 75°, 105°, 135°, 165°, 225°, 360°										
	20° step	20°, 60°, 100°, 140°, 180°, 220°, 260°, 360°										
Bottom scan mode	3° step	3°, 27°, 45°, 63°, 93°, 117°, 147°, 177°										
	5° step	5°, 25°, 45°, 65°, 95°, 115°, 145°, 175°										
360° Scanning range(m)	20	40	60	80	100	120	160	180	200	240	400	
	5° step	6.3	8	10	11.8	14	15.8	19.5	21.6	23.5	27.5	43.3
	10° step	3.7	4.7	5.6	6.5	7.6	8.6	10.6	11.5	12.5	14.4	22.4
	15° step	3.3	3.7	4.3	4.9	5.7	6.4	7.9	8.2	8.9	10.3	15.7
	20° step	3.3	3.4	3.8	4.2	4.8	5.2	6.4	6.6	7.3	8.1	12.2
Bearing center	1° step											
Presentation modes	Sonar, Off-center, Bottom scan, Echo sounder, 2 Mode Display, One line											
Off-Center	Fore, Back, Left, Right											
Target lock	Reverse, Horizontal, Horizontal + Vertical, Marker + Horizontal, Marker + Horizontal + Vertical											
Presentation colors	8 colors, 16 colors											
Functions	TVG, Color rejection, Dynamic range, Compass display, Pulse width, Output power control, Noise reduction, A-scope, CM key, Frequency bandwidth, Image correction, Bearing display, TD auto up, Sona-Tone™											
Language	English, Japanese, Korean, Spanish, Thai, Traditional Chinese, Greek, Italian, Portuguese, Burmese											
Input data format and sentences	NMEA0183 GGA, GLL, HDG, HDM, HDT, RMC, THS, VTG, ZDA											
Output data format and sentences	NMEA0183 DBT, DPT, GGA, GLL, MTW, RMC, TLL, VTG, ZDA											
NMEA ports	Total 1 : input / output											
Power supply Processor unit	10.8 to 31.2 VDC											
Hull unit	10.8 to 31.2 VDC											
Power consumption Processor unit	70 W or less (24 VDC)											
Hull unit	70 W or less (24 VDC)											
Operating temperature	-15 °C to +55 °C											
Water protection	-											

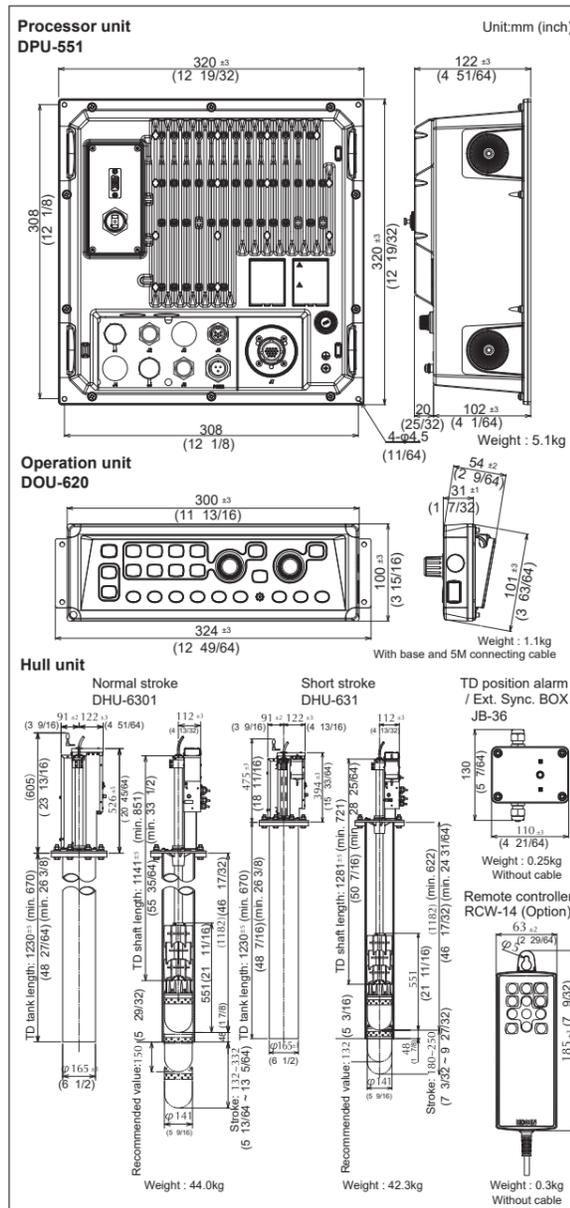
**CONNECTIONS**



**EQUIPMENT LIST**

Standard equipment	Processor unit	1
	Operation unit	1
	Hull unit (Normal stroke / Short stroke)	1
	Accessories for Processor unit	1
	Installation materials for Hull unit	1
	TD position alarm / Ext. Sync. Box	1
	DC power cable	1
Options	Operation manual, Installation manual, Quick Reference	1
	Remote controller, PVC TD tank, FRP TD tank, Shaft guide for FRP tank	
	AC rectifier unit, Connecting cable, 17 inch LCD monitor	

**DIMENSIONS AND WEIGHT**



• Design and specifications are subject to change without notice.

Cachet distributeur

Le spécialiste des équipements électroniques

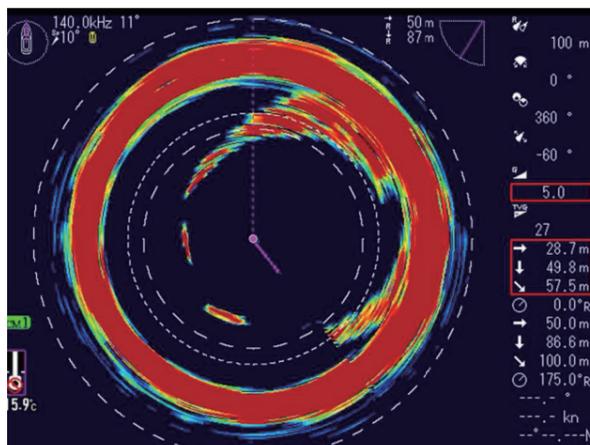
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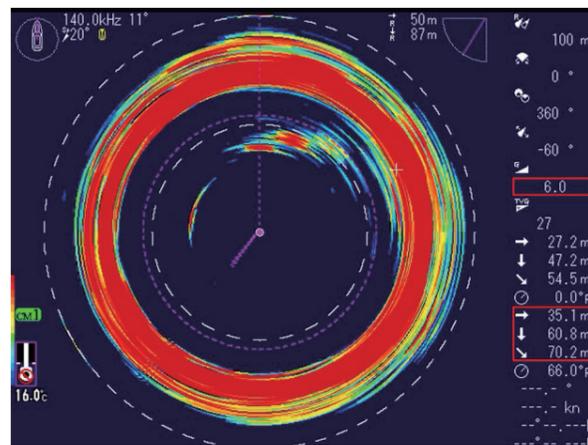
## High Sensitivity fixed frequency model KDS-5500BB

### Image comparison of KDS-5500BB and Broadband sonar

#### Shallow water (100m)

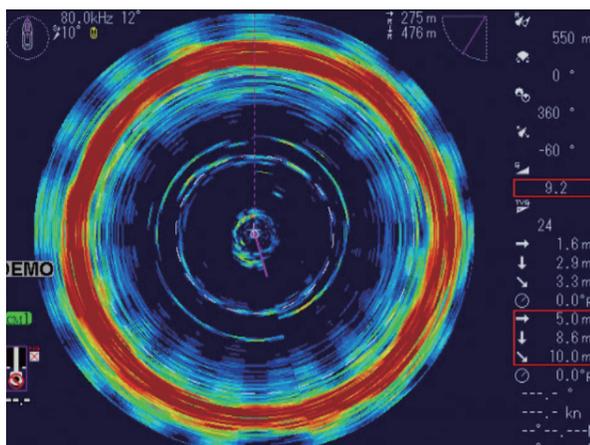


KDS-5500BB 140kHz

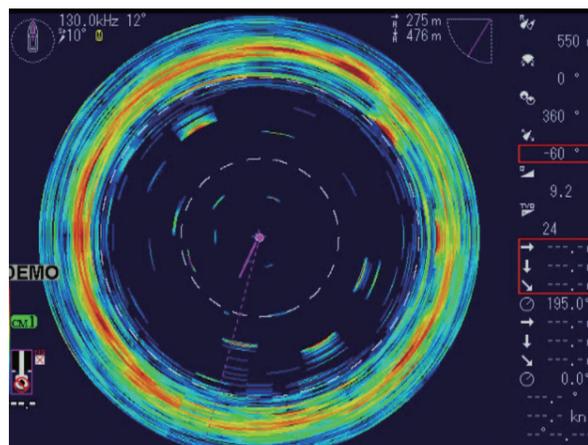


Broadband 140kHz

#### Deep water (550m)



KDS-5500BB 80kHz



Broadband 130kHz

## Recommended sonar selection

### What fits you better?

- ▼ Target specific fish species and use only one frequency:  
**KDS-5500BB**
- ▼ Using sonar for different fishing, different areas, different seasons:  
**Broadband Sonar**

## Featured option

### Reduce image distortion using motion sensor (AS model)

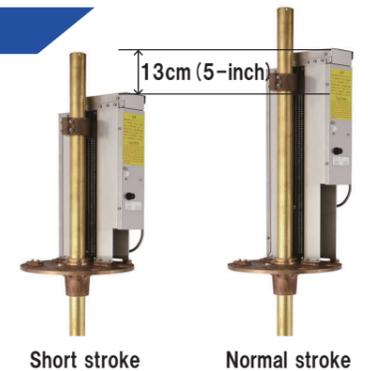


When stabilizer function is activated, it reduces image distortion caused by pitch and roll of the vessel in high seas.

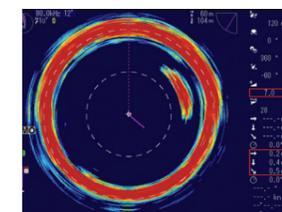
### Compact hull unit

### Limited room for installation?

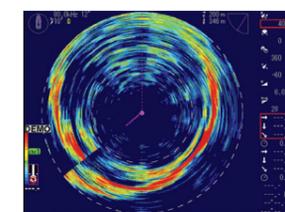
- ▼ Solved with a short hoist version, requires 13cm less room.



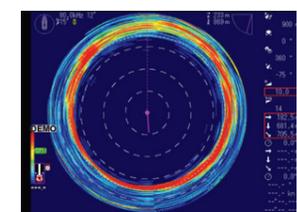
## Screen image of KDS-5500BB/80 kHz



Sardine



Red snapper



Depth 680m