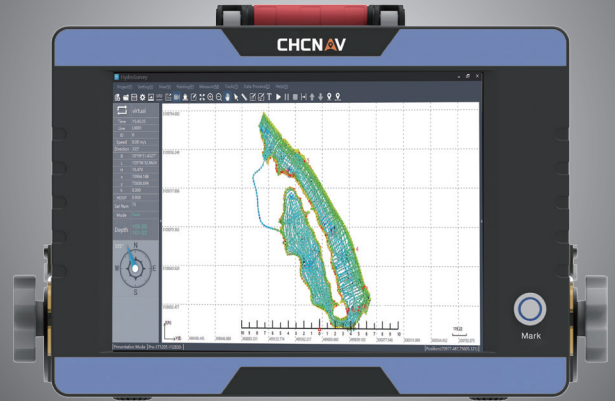


# D580

## Marine Construction

- 12" high definition resistive touch screen
- High capacity for detecting float sludge
- Widely detection range including 0.5 m to 2000 m for low frequency and 0.3 m to 200 m for high frequency
- Compatible with CHC Hydro Sounder
- High compatibility of serial ports, USB and VGA port for connecting various external devices
- Real time show the high/low frequency graph respectively



D580 is a revolutionary dual-frequency echo sounder which has 200 kHz and 25 kHz as high and low frequency. The integration design and light weight (less than 6 kg) can make it easy to carry. Meanwhile, D580 develops superior functions such as showing real-time depth graph with high or low frequency respectively and adopting integrated transducer, etc.

D580 adopts integration design through 12" high definition resistive touch screen with CHC comprehensive software Hydro Sounder to clearly show the real-time depth results.

D580 utilizes dual-frequency which can not only detect the depth of water but also sensitively detect the float sludge. The detection arrange can up to 0.3 m to 200 m (high frequency) and 0.5 m to 2000 m (low frequency). Therefore, D580 is especially applicable for the area with deep water, suspended sediment and fast flow rate.



# ■ Technical Specifications

## Measurement Parameters

- Frequency: 200 KHz/25 KHz
- Transmit Power:
  - 500 W (high frequency)
  - 800 W (low frequency)
- Detection Range:
  - 0.3 m to 200 m (high frequency)
  - 0.5 m to 2000 m (low frequency)
- Accuracy:  $\pm 0.02 \text{ m} + 0.1\% \times D$  (D: the depth of water)
- Resolution: 0.01 m
- Maximum Sampling Rate: 30 Hz
- Draft Adjustment Range: 0.0 m to 9.9 m
- Sound Velocity Adjust Range: 1300 m/s to 1700 m/s
- Data Output: Simulation of multiple formats, adjustable baudrate
  - Huace D330
  - SDH (13D)
  - Odem (DSF)
  - NMEA0183 (SDDBT, SDDPT)
- Operating System: Windows XP
- Display: 12" high definition resistive touch screen
- LCD Resolution: 1024 × 768
- Interface: RS-232 serial ports × 3, USB ports × 4, VGA port × 1, Ethernet port × 1
- Industrial Embedded RAM: DDR2 1G
- CPU Frequency: 1.6 GHz
- Internal Memory: 1 G DDR2
- External Memory: 16 GB
- Power Consumption:  $\leq 30 \text{ W}$

## Physical

- Size (L × W × H): 40 cm × 27 cm × 11 cm  
(1.3 ft × 0.9 ft × 0.4 ft)
- Weight: 6 kg (13.2 lb)
- External Power: 10 V DC to 30 V DC or 100 V AC to 240 V AC
- Operating Temperature:  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$ )

Specifications are subject to change without notice.

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