Accessories

Antenna Helical	Charger Adapter	Battery	Ear-piece Mic
ANTVHF8000-S ANTUHF8000-S	PS8000AU	BP8000-2200 2200mA BP8000-2500 2500mAH (optional)	EB1013M5

Antenna Flexible	Intelligent Charger	Belt Clip	Remote Speaker Mic
ANTUHF8000-F	CP8000	BC8000	SMHD21M5

General

Frequency Range	VHF: 136~174MHz UHF: 350~400MHz; 400~470MHz; 450~520MHz;
Channel Capacity	1024
Zone Capacity	64 (each with a maximum of 16 channels)
Channel Spacing	12. 5KHz(Digital) 25/20/12.5KHz(Analog)
Operating Voltage	7.4V
Battery	2200mAh Li-ion Battery 2500mAh Li-Poly Battery (Optional)
Battery Life (5-5-90 Duty Cycle, High TX Power) High-capacity 2200mAh Li-ion Battery	Analog: Above 11 Hours Digital: Above 16 Hours
Frequency Stability	±1.0ppm
Antenna Impedance	50Ω
Dimensions (H × W × D)	126 × 53 × 34mm
Weight	310g
LCD Display	1.54"(OLED)

Receiver

Sensitivity (Analog)	0.22μV(12dB SINAD) / 0.22μV(Typical)(12dB SINAD) / 0.3μV(20dB SINAD)
Sensitivity (Digital)	0.22μV/BER 5%
Selectivity TIA-603 ETSI	60dB @12.5KHz / 70dB @20/25 Khz /60dB @12.5KHz / 70dB @20/25 Khz
Intermodulation TIA-603 ETSI	70dB @12.5/20/25 Khz / 65dB @12.5/20/25 Khz
S/N	40dB @12.5KHz / 43dB @20KHz /45dB @25KHz
Rated Audio Power Output	1.5W
Rated Audio Distortion	＜3%
Audio Response	+1~-3dB
Conducted Spurious Emission	＜-57dBm

Transmitter

RF Power Output	VHF High Power: 5W UHF High Power: 4W VHF Low Power: 1W UHF Low Power: 1W
FM Modulation	11KΦF3E@12.5KHz / 14KΦF3E@20KHz / 16KΦF3E@25KHz
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD /12.5KHz Data & Voice:7K60FXW
Conducted/Radiated Emission	-36dBm＜1GHz / -30dBm＞1GHz
Modulation Limit	±2.5KHz @ 12.5KHz / ±4.0KHz @ 20KHz / ±5.0KHz @ 25KHz
FM Noise	40dB @ 12.5KHz / 43dB @ 20KHz / 45dB @ 25KHz
Adjacent Channel Power	60dB@ 12. 5KHz 70dB@ 20/25kHz
Audio Distortion	＜3%
Digital Vocoder Type	AMBE3000++
Digital Protocol	ETSI-TS102 361-1.-2.-3

Environmental Specifications

Operating Temperature	-30℃ ~+60℃
Storage Temperature	-40℃ ~+85℃
ESD	IEC 61000-4-2 (Level 4) / ±8KV (Contact) / ±15 KV (Air)
U.S. Military Standard	MIL-STD-810 C/D/E/F/G
Dust & Water Protection	IP67 standard
Humidity	Per MIL-STD-810 C/D/E/F/G standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G standard

All specifications are tested according to applicable standards, and subject to change without notice due to continuous development.

Hytek Communications Pty Ltd
6/210 Queensport Road North Murarrie Qld 4172 Australia
Phone: 61 7 3348 9988
Fax : 61 7 3348 8278
Email : sales@hytek.net.au

FC CE

Your Local Dealer

www.hytek.net.au

DHP-8800
Commercial DMR Digital Radio

As a product built to the DMR standard, DHP-8800 is gifted with ergonomic design, all-round digital functions and remarkable quality to refresh your experience and enable you to be responsive to critical situations.
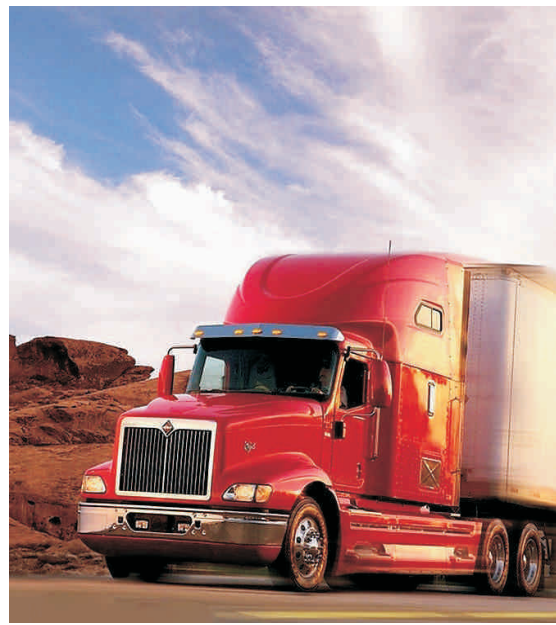
- Large-size OLED Display
- Superior Digital Voice
- Submersible With IP67 Rating

www.hytek.net.au

Product features

Ergonomic Design

The industrial design and antenna design ensure convenient operation and remark-able performance.

Reliable Quality

DHP-8800 is strictly compliant with MIL-STD-810 C/D/E/F/G and IP67 standards, ensuring outstanding performance even under harsh environments.

Superior Voice

With the combined application of narrow band codec and digital error-correction technologies, DHP-8800 is capable of ensuring you superior voice. By adopting AGC technology, DHP-8800 also optimizes your voice. With a built-in 1.5W speaker, DHP-8800 ensures loud and crystal clear voice communication from end to end.

Durable Battery

Compared with analog mode, DHP8800 can obtain an additional 40% operation time in digital mode.
In addition DHP8800 comes standard with 2200mAh battery and optional 2500mAh battery..

Higher Spectrum Efficiency, Higher Channel Capacity

Benefiting from the TDMA technology, DHP-8800 allows twice the channels based on the same spectrum resource, This is a big help to relieve the stress of increasing shortage of spectrum resource.

Versatile Features

In addition to conventional communication services, DHP-8800 features rich data services and selectable functions, such as Text Messaging, Mixed Scan, Emergency, Radio Enable/Disable, Remote Monitor, Call Alert, Radio Check, Man Down(Optional), Vibration(Optional), GPS(Optional), Bluetooth (Optional), Voice Recording(Optional) etc.

Main Function

Dual Modes(Analog+Digital)

DHP-8800 can operate in either analog or digital mode. It is compatible with prevalent analog systems, ensuring a smooth analog-to-digital transition.

Versatile Voice Calls

Intelligent signaling of DHP-8800 supports various voice call types, including Private Call, Group Call, All Call and Emergency Call.

Vibrate (Optional)

This feature is helpful in reminding you of the reception of any Private call, Call Alert or Text Message under noisy or low-volume conditions.

Various Analog Signaling Types (Under development)

DHP-8800 supports various analog signaling (DTMF Encode, 2-Tone, 5-Tone and QDC-1200), provides higher function expansion capacity.

Advanced Features (Optional)

DHP-8800 supports various optional advanced features including Man Down, GPS, Bluetooth and Voice Recording.

Secure Communication

DH-8900 provides high-level digital encryption utilizing advanced 216-bit algorithm; In analog mode, DHP-8800 also provides Scrambler feature (Selectable).

Language

DHP-8800 supports English and Chinese language.

Software Upgradable

With this capability, you can enjoy further features without the need to buy a new radio.

Highly Compatible Accessory Socket

Industrial Design Features

Comfortable operation with big push-button.

Multiple reprogramable buttons.

Compliant with MIL-STD-810 C/D/E/F/G and IP67 standards .

Clear status indication with tri-color LED.

Large speaker with quality audio and smart look.

Large-sized OLED display enables you to access your desired information.