SENTRY H™

CODAN
RADIO COMMUNICATIONS

- Robust
- Secure
- Intelligent
- Intuitive
- Integrated

CODAN **SENTRY** H

Now more is less.

At Codan we understand it's tough today to afford a tactical High Frequency (HF) radio system that has all the features you desire, without compromising on essentials like durability and security. That's why we've created the Codan Sentry-H Software-Defined Radio with next generation Digital Voice, 3G ALE (future) and Frequency Hopping. It's the most robust and affordable high-power radio we've ever built for voice and data communications, delivered in a small form-factor that's ideal for mobile and base configurations.

Codan Sentry's advanced SDR architecture means you can upgrade any time in the future to ensure sustainability in today's challenging conditions. What's more with Codan's intelligent handset that can be configured to local languages, end-users require less training than other competitor radios and are able to respond faster when it counts. When you can't afford to compromise on performance or features, the Codan Sentry-H provides unbeatable value for money.

With Codan Sentry's Digital Voice, your message is always heard loud and clear.

Base

A Codan Sentry-H base configuration delivers reliable and powerful communications over vast distances with power outputs from 150 to 1000 W. The ruggedised RF units versatile design makes installation into permanent and temporary bases simple, and it operates from wide ranging DC and AC power sources.

We realise that every organisations' needs are different. That's why we provide a choice of control options for your Codan Sentry-H system, including a robust hand-held and indoor desk console.

Mobile

When space is limited, Codan Sentry's compact and highly integrated unit with robust handset makes mobile installation easy. We've eliminated the need for an external power amplifier, often required in competitor systems, and we've engineered the Codan Sentry to provide 150 W of power so that you get the best and most reliable communications.

Benefits

Robust

After fifty years of supplying radios into the harshest regions of the world, the Codan brand is a badge that stands for ruggedness and reliability. Our Codan Sentry-H radio is the culmination of this experience. It has been tested to a broad range of stringent environmental standards including MIL-STD-810G, so it gets the job done no matter where you operate.

Secure

Codan Sentry-H ensures your information and team remains safe and secure through use of AES-256 bit encryption applied to data transfers, digital voice and 3G ALE. An option for internal frequency hopping is provided to prevent third party interference and monitoring and keep your intel safe.

Intelligent

Codan Sentry's internal SDR architecture comprises the latest-generation high-performance Digital Signal Processor (DSP), Field Programmable Gate Array (FPGA), and system on chip (SoC) technology devices providing exceptional performance, and future upgradability via its IP / Ethernet / USB connectivity. Choosing Sentry is investing in your future.

Intuitive

Codan knows that when lives are on the line, operation of the radio must be second nature. Codan Sentry-H provides an intuitive user-experience interface that can be switched into various languages for fast and instinctive control.

Integrated

Competing manpack-based tactical solutions require heavy components interconnected by large, unreliable, and difficult-to-install cabling. Codan Sentry eliminates this hassle and combines all key functions into a single compact unit.

Count on Codan

Codan Radio provides communications solutions that enable our customers to save lives, create security and support peacekeeping worldwide. We form strong and close bonds with our customers to become their trusted communications provider, so we can build the next generation of products based on real needs.

With our legendary ruggedness and reliability, plus global distribution and support centres all backed by Codan's specialist field team of deployable engineers — we when we say, "Anytime, Anywhere" you know we really mean it.

Specifications

- **Frequency range:** 250 kHz to 30 MHz

- **Output power:** 150 W PEP

- **Digital Voice (Vocoder):** MELPe and TWELP; 600–2400 bit/s

- **Data Modem (high speed):** STANAG 4539 / MIL-STD-110A/B; Up to 19,200 bit/s

- **Encryption:** CES-128; AES-256 (voice and data; 3G ALE–future)

- **GPS/GLONASS/BeiDou:** Fully integrated NMEA-0183

- **Channels:** 1000

- **Contacts:** 500

- **Networks:** 20

- **Linking and data:** MIL-STD-188-141B ALE, STANAG 4538 (3G ALE–future)

- **Frequency Hopping:** Up to 25 hops per second; programmable hop bandwidth

- **Size (RF Unit):** 66.5 mm (2.6") H x 220 mm (8.6") W x 197 mm (7.7") D

- **Weight (RF Unit):** 2.8 kg (6.2 lb)

- **Multiple Languages:** English, Chinese, Dari, French, Spanish, Russian

Preliminary — Subject to change without notice

For more information on the Codan Sentry-H, please use the contact details below or visit our website:

CODAN RADIO COMMUNICATIONS
www.codanradio.com/sentry–H

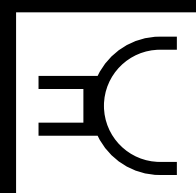|		
Australia: +61 8 8305 0528	**US:** +1 703 723 7373	
Canada: +1 250 382 8268	**UAE:** +971 44 53 72 01	HFsales@codanradio.com

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