



MicroLight-DM200

Hands-Free Software-Defined Radio



MicroLight™ is the world's most advanced voice, data and video family of radios specifically designed for networked communications.

Benefits

- Fully IP compliant
- Combines voice and data communications in a single radio
- Flexible software design
- Ruggedized for ground and airborne assault operations
- Interoperable with Situational Awareness Data Link (SADL)–equipped U.S. Air Force close air support F-16 and A-10 aircraft
- Ad hoc, self-healing network ensures highest reliability and availability
- High bandwidth supports transmission of packetized imagery

Derived from the largest base of networked radios in the industry, Raytheon has reduced the size, weight and power consumption, while leveraging all the key features of the proven MicroLight family of products.

Hands-Free Software-Defined Radio

Referred to as the RT-1922(C)/G by the U.S. Army, the MicroLight-DM200 is a miniature, affordable, software-defined radio that combines the functions of multiple systems into a single unit. The DM200 transports voice, video and data over the most demanding environments, while simultaneously tracking the position and location of all network nodes.

Designed for Versatility

The DM200 is designed to support a wide variety of applications and performs in multiple installation

configurations. Enabled by four million gates of programmable logic and the industry's fastest soft processor core, the DM200's versatility ensures the broadest range of uses. Supported applications include: dismounted soldier, vehicular, airborne, unmanned aerial vehicles, remote sensing platforms and expendable weapon data links.

Software-Defined Radio

Complementing the hardware versatility of the DM200 is the flexible software design. The robust, embedded features protect your investment by enabling the addition of new waveforms, features and capabilities to the DM200 with simple software downloads, ensuring backward and forward compatibility.

High Data Rate for Contention-Free Voice and Data Communications

With the largest installed base of networked radios, Raytheon understands the burgeoning

need for more bandwidth in a tactical environment without sacrificing voice connectivity.

Through the use of time division multiplexing, the DM200 supports multiple channels of contention-free voice and data simultaneously.

Security

TRANSEC and COMSEC are applied to all transmissions. The DM200 supports Type-1 encryption.

Position Tracking and Reporting

Raytheon has created a new class of radio that provides secure voice and data communications, as well as critical position, location and tracking information. Called "Situation Awareness" messaging, the DM200 automatically locates users, giving commanders the ability to know where their people are at all times. This standard feature is found only in MicroLight radios.

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Specifications

Networking	SCA-compliant EPLRS UHF; software upgradeable to other waveforms
Frequency Range:	420-450MHz
Security Support:	Type-1 (certification pending)
Data Rate:	Up to 1 Mbps
Interfaces:	IP over USB 1.1
Weight:	17 ounces
Power Output:	100 mW to 5 W
Power Input:	6.5 W (typical)
Dimensions:	7.0 x 3.3 x 1.8 inches (L x W x H)
Antenna:	TNC-type connector
Operating Temp:	-32 to +55°C
Environmental:	Per MIL-STD-810F



Supports multiple applications including dismounted, vehicular and aerial platforms.



Warrior Application enables simultaneous voice and situational awareness to unit leaders.



Accessories include: battery, ruggedized laptop, radio antenna, GPS antenna, voice controller and headset.



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