

CDL Hawklink AN/SRQ-4 Radio Terminal Set



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The next generation AN/SRQ-4 provides Command/Control (C²), sensor data transfer, data link operation, and comprehensive Built-In-Test. Radar, video, network, and acoustic data interfaces meet shipboard interface requirements. CDL Hawklink provides real-time exploitation of aircraft sensors, extending situational awareness over the horizon

Key Features

- Supports Anti-Submarine Warfare (ASW) and Anti-Ship Surveillance and Targeting (ASST) missions
- Receives and distributes full motion video
- IP enabled and extensible to future network centric applications
- Compatible with SAU7000 Digital Messaging Interface
- Ruggedized construction and modules qualified to U.S. Navy shock and environmental requirements
- Expanded CDL frequency range to support MH-60R operations
- Maximizes link performance by auto-switching between open-loop pointing and closed-loop tracking depending on range between airborne platform and ship
- Range specified to 100 nmi to AN/ARQ-59 airborne terminal
- Extensive Built-In-Test avoids O-level support equipment
- Interoperable with CDL family of airborne terminals including Fire Scout, P-3 and P-8
- Easy-to-use touch screen graphical user interface for control and status
- Growth path to dual-link operation

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Product Description

The Hawklink AN/SRQ-4 shipboard terminal is a fully qualified communications system meeting requirements of the U.S. Navy's fleet of DDG-51, CG-47, and FFG-7 class ships. Control systems run on modern open system architecture with the latest touch-screen interfaces for ease of control and display of status. Robust Built-In-Test eliminates complex support equipment and enables reduced logistics footprint. The 42-inch directional antenna maximizes link performance by auto-switching between open-loop pointing and closed-loop tracking depending on the range between airborne platform and ship. Seamless switching between Omni and directional

antennas allows link from takeoff to max range. The fully qualified radome matches existing ship interfaces and is optimized for Ku-band.

Interoperable with currently deployed acoustic suites (SQQ-89) and shipboard Navigation Sensor System Interfaces (NAVSSI). Current software baselines in production for MH-60R, including SPOP interfaces for tactical data and link control. The system is software configurable supporting Common Data Link (CDL) waveforms (fully compliant to Annex C and D). Network interfaces are fully compatible with the latest SAU7000 Digital Messaging Interfaces.



Shipboard Antenna and Radome



Touch-Screen Control Monitor

Multiplexer (MUX)

Electronic Frequency Converter (EFC)

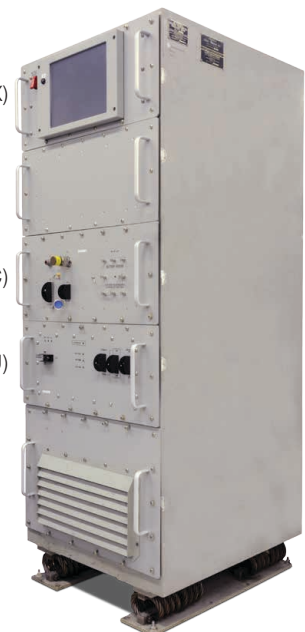
Power Distribution Unit (PDU)



Radio Frequency Amplifier (RFA)



Omni Antenna



Below Deck Equipment Rack

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