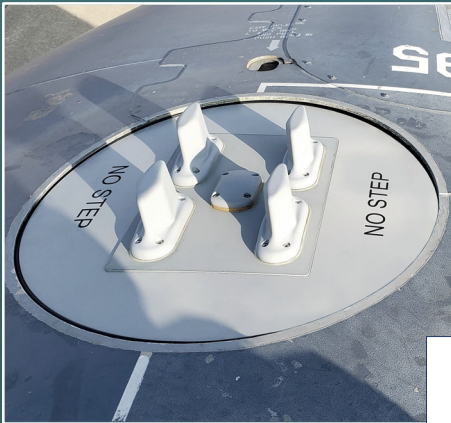


TACTICAL REMOVABLE MIMO RADIO

FOR C-130 TRANSPORT AIRCRAFT



R4 Integration, Inc. has teamed up with Silvus Technologies, Inc. to develop an advanced, ultra-lightweight communication solution for the C-130 aircraft. Key to this revolutionary design is the powerful StreamCaster 4400 Enhanced (SC4400E) 4 X 4 MIMO radio. Multiple antennas combined with digital signal processing optimizes crucial wireless link performance and transmission capabilities. This unique stand-alone solution requires no additional aircraft interfaces and comes in a turnkey, cost-efficient Roll-On / Roll-Off (RO/RO) package. It is FAA and DoD certified for MC-130H and MC-130J variants.

Introducing the World's Most Advanced Portable Tactical MIMO Radio:

THE STREAMCASTER 4400 ENHANCED (SC4400E)

- Powerful 4 X 4 Multiple In / Multiple Out (MIMO) ruggedized antennas
- Maximum performance for long-range airborne applications
- Up to 20W output power (80W effective performance thanks to TX Eigen Beamforming)
- Self-healing, self-forming flexible mesh network

WAVEFORM	Mobile Networked MIMO (MN-MIMO)
ENCRYPTION	DES56 (Standard) AES256 (Optional), FIPS140-2 Level 2 (Suite B)
DATA RATE	Up to 100 Mbps (Adaptive)
MIMO TECHNIQUES	Spatial Multiplexing, Space-Time Coding, TX/RX Eigen Beamforming
OUTPUT POWER	1mW - 20W variable (up to 80W effective w/TX Beamforming)
PUSH-TO-TALK VOICE	G.711/G.722/Opus Codec
LATENCY	7ms average (20 MHz BW)
SENSITIVITY	-102dBm @ 5 MHz BW / -108dBm @ 1.25 MHz BW (optional)
FREQ. BAND (MHz)	S Band (235), Range: 2200-2500 MHz Federal C Band (467), Range: 4400-4900 MHz
ONBOARD STORAGE	64GB
DIAGNOSTICS	Temperature/Voltage Monitoring, Statistics Logging Spectrum Analyzer (MAN-SA)
SPECTR. DOMINANCE	MANET Interference / MANET Avoidance (MAN-IA) MANET Interference Cancellation (MAN-IC)
AMBIENT TEMPERATURE	-40° to +65° C
WEIGHT	27.15 lbs
R4 PART NUMBER	0009A3000-10-830

#US 9,016,631 B2,
FAA STC #ST02495LA
and DoD certified.



R4
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