

SILVUS

TECHNOLOGIES

a Motorola Solutions Company



STREAMCASTER® MINI 5200

SM5200: Adaptive To Your Mission

The SM5200 is the smallest fully featured tactical MANET radio Silvus has ever built, delivering up to 2 Watts output power (4 Watts effective, thanks to TX Eigen beamforming), and up to 100Mbps data rate for assured voice, high-fidelity video and IP data communications.

- Optimized Size, Weight & Power
- Multiple I/O connectors for versatile operation (Ethernet, USB, RS232)
- Dual PTT with independent L/R audio channels
- Dedicated ROIP tethering interface
- Improved receive sensitivity and thermal efficiency
- Streamlined cabling for enhanced operator mobility
- Rugged IP68 construction
- High-bandwidth throughput (up to 100 Mbps), scalability (550+ nodes), range, and EW resilience
- Available access to Spectrum Dominance 2.0
 - LPI/LPD, Anti-Jam capabilities



Learn More

STREAMCASTER® MINI 5200 – Adaptive To Your Mission

The smallest fully featured tactical MANET radio Silvus has ever built

LOW GLARE BLACK
TNC CONNECTORS

EUD / POWER
CONNECTOR

68.0 mm



103.5 mm



13.3 mm

ETH/USB/SERIAL
CONNECTOR

LED STATUS
INDICATOR

PTT/RoIP
CONNECTOR

RUGGED IP68
CONSTRUCTION

SPECIFICATIONS

GENERAL

TRANSMIT POWER	NATIVE TX POWER User Adjustable 1mW - 2W	EFFECTIVE TX POWER w/Beamforming Up to 4W
WAVEFORM	Mobile Networked MIMO (MN-MIMO)	
ENCRYPTION	AES 256, FIPS 140-3	
DATA RATE	Up to 100 Mbps (Adaptive)	
MIMO TECHNIQUES	Spatial Multiplexing, Space-Time Coding TX/RX Eigen Beamforming	
LATENCY	7ms Average (20MHz BW)	
SENSITIVITY	-95dBm for 20MHz -101dBm @ 5MHz BW	
FREQUENCY BANDS	L (1350-1440); S (2200-2500); C (4400-5000) L&S (1350-1440) • (2200-2500) S&C (2200-2500) • (4400-5000)**	
CHANNEL BANDWIDTHS (MHz)	20/10/5 (2.5/1.25 Optional)	
SCALABILITY	550+ Nodes	
DIAGNOSTICS	Spectrum Scanning, Statistics Logging, Temperature/Voltage Monitoring	
SPECTRUM DOMINANCE 2.0 LPI/LPD, ANTI-JAM CAPABILITIES	MANET Spectrum Analyzer (MAN-SA) MANET Power Control (MAN-PC)* MANET Interference Avoidance (MAN-IA) MANET Interference Cancellation (MAN-IC)* *ITAR-Controlled **Available May 2026	

POWER

POWER INPUT	9-32 VDC or USB-PD (9V@3A)
POWER CONSUMPTION	4-13W @ 2W TX Power

INTERFACES

RF	2x TNC(f)
STATUS INDICATOR	Bi-Color LED
INPUT CONNECTORS	3x 14-Pin Pogo 1x USB 2.0 HOST 1x USB 2.0 OTG Ethernet + RS232 Dual PTT + ROIP

MECHANICAL

OPERATING TEMPERATURE (C)	-40° to +85°
IP RATING	IP68
MATERIAL	Anodized Aluminum
DIMENSIONS (mm)	103.5 x 68.0 x 13.3
WEIGHT (g)	182
AVAILABLE COLORS	Black Flat Dark Earth (FDE)



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