



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

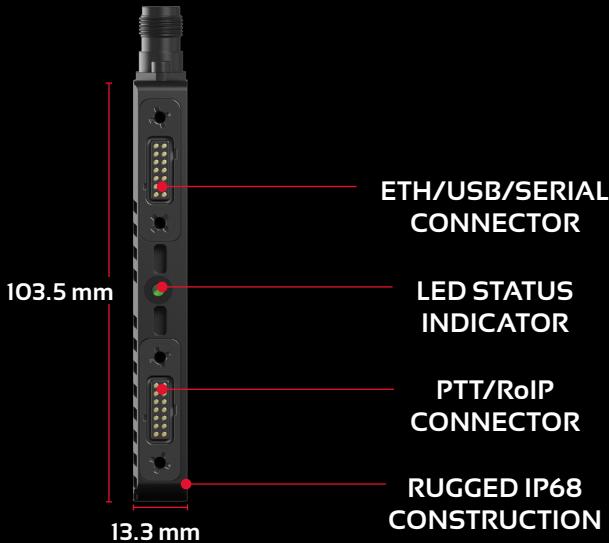
The smallest fully featured tactical MANET radio Silvus has ever built

LOW GLARE BLACK
TNC CONNECTORS

EUD / POWER
CONNECTOR



68.0 mm



103.5 mm

13.3 mm

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 | -97 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) |