

SILVUS
TECHNOLOGIES
a Motorola Solutions Company

STREAMCASTER[®] NEXUS



NEXT GEN TACTICAL NETWORKING FOR THE DISMOUNTED OPERATOR

Seamlessly pairing the ultra-slim SM5200 MANET radio with Samsung's mission-ready EUD, StreamCaster NEXUS delivers mission-critical connectivity and real-time situational awareness. Custom designed Juggernaut chest-mount features streamlined, snag-free cable routing that minimizes weight and maximizes operator freedom.



STREAMCASTER[®] NEXUS



OPERATOR CENTRIC LOW PROFILE DESIGN

Compact, modular design reduces operator load-out, maximizing mission-focused mobility

- ▶ Ruggedized for the mission – Juggernaut Armor & VELOX chest mount configurations
- ▶ Ultra-slim & lightweight – streamlined & snag-free cable management
- ▶ Low profile design – SM5200 MANET radio virtually disappears into vest



ADVANCED NETWORKING AT MISSION SPEED

StreamCaster SM5200 MANET radio delivers assured voice, high-fidelity video and IP data communications

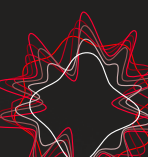
- ▶ Up to 2W Native, 4W Effective TX power
- ▶ Up to 100 Mbps data rate
- ▶ MN-MIMO waveform – 550+ node scalability
- ▶ Dual PTT with independent L/R audio
- ▶ Dedicated RoIP interface



CENTRAL HUB FOR THE CONNECTED OPERATOR

Samsung S23/S23TE provides real-time situational awareness, mission planning & radio configuration

- ▶ ATAK – access geospatial, sensor & cursor on target intelligence
- ▶ StreamScape ATAK plug-in – SM5200 & configurable PTT settings
- ▶ Multiple I/O connectors – Ethernet, USB, RS232
- ▶ Nett Warrior – unified radio/EUD power distribution



ACHIEVE SPECTRUM DOMINANCE

Access ever-expanding suite of LPI/LPD, Anti-Jam and Advanced Threat Protection capabilities

- ▶ Secure & protected comms without sacrificing performance
- ▶ Designed to thrive in EW contested environments
- ▶ Achieve mission objectives even under electronic attack

TACTICAL NETWORKING SYSTEM



Juggernaut Case™
PROTECT - MOUNT - CONNECT



178mm



124mm

40mm

Armor Mount



124mm

50mm

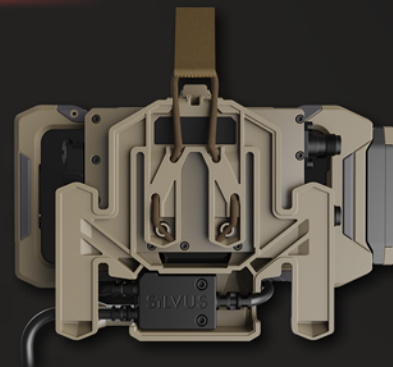
VELOX Mount



SAMSUNG
Authorized Reseller

STREAMCASTER® NEXUS | SPECS

TRANSMIT POWER	NATIVE TX POWER User Adjustable 1mW – 2W	EFFECTIVE TX POWER w/Beamforming Up to 4W
WAVEFORM	Mobile Networked MIMO (MN-MIMO)	
ENCRYPTION	AES256; FIPS 140-3	
DATA RATE	Up to 100 Mbps (Adaptive)	
FREQ. BANDS (MHz)	L (1350-1440); S (220-2500); C (4400-5000) L&S (1350-1440) + (2200-2500) S&C (2200-2500) + (4400-5000)	
CHANNEL BANDWIDTH (MHz)	20/10/5 (2.5/1.25 Optional)	
SCALABILITY	550+ Nodes	
SPECTRUM DOMINANCE 2.0 LPI/LPD, ANTI-JAM & ADVANCED THREAT PROTECTION CAPABILITIES	MANET Spectrum Analyzer (MAN-SA) MANET Power Control (MAN-PC)* MANET Interference Avoidance (MAN-IA) MANET Interference Cancellation (MAN-IC)* MANET Protected Waveform (MAN-PW)* *ITAR-Controlled	
POWER INPUT	USP-PD (9V@3A) or 9-32 VDC	
POWER CONSUMPTION	4-13W @ 2W TX Power (SM5200)	
ENVIRONMENTAL	IP68	
DIMENSIONS	103.5 x 68.0 x 13.3 mm (Radio Only) 178 x 124 x 40 mm (Total System)	
WEIGHT	182 grams (Radio Only) 648 grams (Total System)	



Streamlined Cable Management
Snag-Free Design



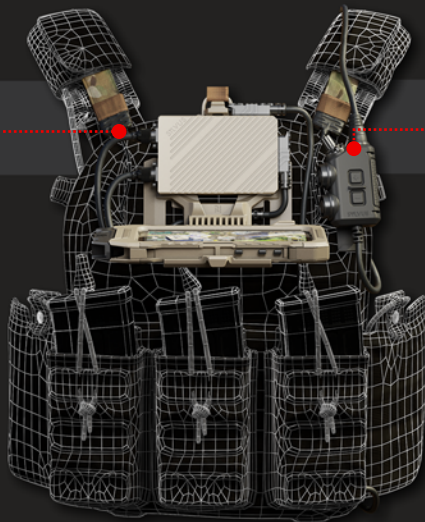
Removable SM5200 MANET radio
for Standalone Operation

AGILE TECH FOR THE WAY YOU OPERATE | TACTICAL GEAR OPTIONS

CONFORMAL ANTENNAS

DUALSTREAM PTT CONTROLLER

NETT WARRIOR POWER OPTIONS



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