SILVUS
TECHNOLOGIES

STREAMCASTER MANET RADIOS
Loitering Munitions | C2 & Secure Comms Solutions

SHORT-RANGE

MEDIUM-RANGE

LONG-RANGE

The World's Most Advanced Tactical MANET Radios

The Most Trusted Radio For Loitering Munitions

DESIGNED TO EXCEL WITHIN DYNAMICALLY CHANGING BATTLESPACES

The Silvus family of StreamCaster MANET radios provide secure and protected C2 and Communications for today's leading-edge Loitering Munition Systems (LMS) and attritable unmanned aircraft systems. Delivering class-leading range, scalability and throughput is why the majority of LMS manufacturers trust StreamCaster as their radio of choice for mission-critical applications.

At the heart of every StreamCaster MANET radio is Silvus' proprietary MN-MIMO waveform, capable of linking hundreds of nodes and operating in congested and contested environments.

Seamless interoperable with UAVs, LMS, Defense Sensors and Unified Communications Networks – StreamCaster MANET radios provide point-to-point and mesh network connectivity that delivers precision strike capabilities in any operational environment.
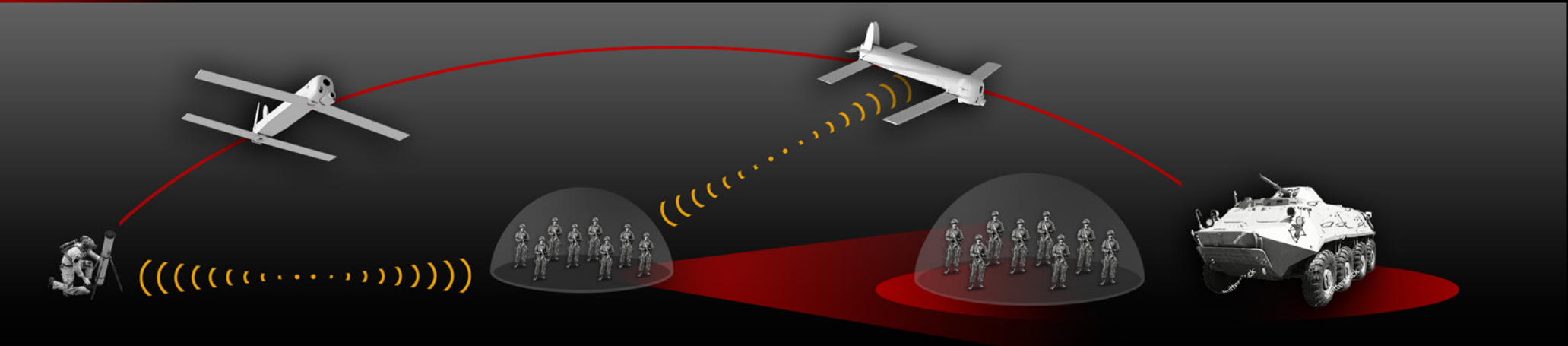
COORDINATED PRECISION STRIKE CAPABILITIES

NLOS COOPERATIVE ENGAGEMENT

Effective Range: 20+ km
Anti-Personnel/Anti-Armor

Silvus Delivery
- Secure & Protected C2 & Comms (LMS & Tactical Network)
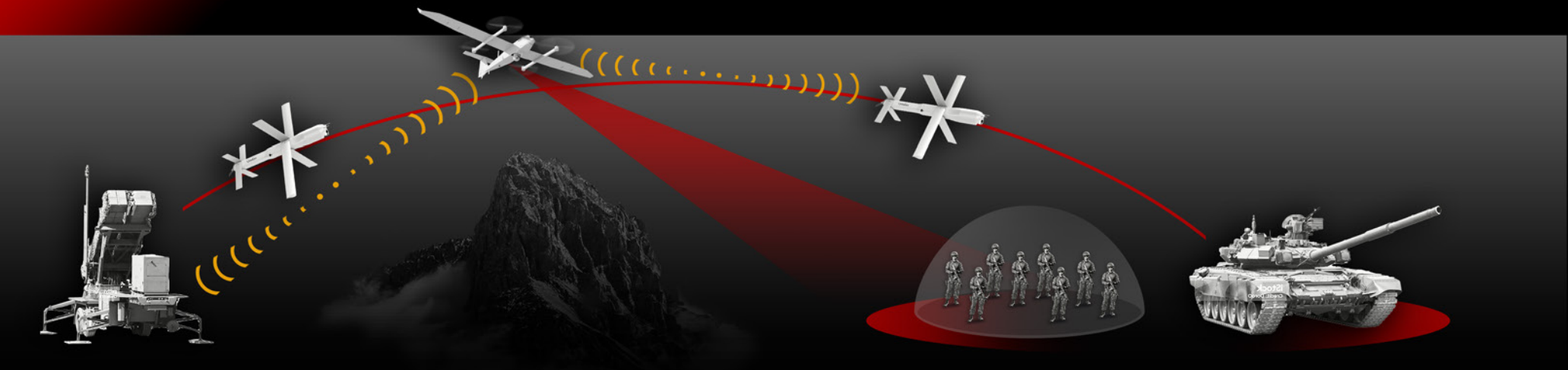- Forward Observer – LMS Hand-Off; RSTA/PID/Comms Relay
- LMS – ISR/RSTA/Comms Relay

DEMONSTRATED PERFORMANCE AT ANY RANGE

BLOS ENGAGEMENT – AERIAL RELAY

Effective Range: 20-90+ km
Anti-Personnel/Anti-Armor

Silvus Delivery
- Secure & Protected C2 & Comms (LMS & HAPS/UAV)
- HAPS/UAV – ISR/RSTA/Comms Relay
- HAPS/UAV – Battle Damage Assessment (BDA)

Flexible & Interoperable Systems of Systems Applications
Manned/Unmanned Teaming

MANNED/UNMANNED MARITIME

ON-THE-MOVE PRECISION FIRES

AIR LAUNCHED EFFECTS

LMS SWARM SYSTEMS

SQUAD LEVEL TACTICAL ENGAGEMENT

Silvus StreamCaster MANET Radios
Key Distinctions:

- Proven & Demonstrated Performance at 75 KM link Range with 10 Mbps (Direct Engagement)
- Scalable Multi-Domain Operations – Video, Flight Telemetry, Assured Voice & ROIP
- MANET Multicast – To enable one to many data distribution capabilities
- Frequency Agility – Dual Band Capability
- Seamless Radio Hand-off Capabilities – From FCS to forward Operator

STREAMCASTER MANET RADIOS

PRECISION PERFORMANCE TO MATCH YOUR MISSION

STREAMCASTER SL5200

- Up to 2 Watts Output Power (4W Effective)
- Single/Dual Band (1350-1440MHz + 2200-2500MHz)
- 20/10/5 MHz Bandwidth (2.5/1.25 Option)
- Up to 100 Mbps Data Rate
- Interfaces – Ethernet, USB, RS232
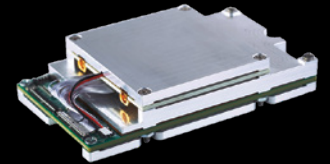- Encryption: AES256; FIPS 140-3

SL5200 OEM MODULE	
SIZE	63.5 x 44.5 x 10.4 mm
WEIGHT	52 grams
RF CONNECTORS	SMPM (m)

STREAMCASTER SC4200P

- Up to 10 Watts Output Power (20W Effective)
- Single/Dual Band Options (300MHz - 6GHz)
- 20/10/5 MHz Bandwidth (2.5/1.25 Option)
- Up to 100 Mbps Data Rate
- Interfaces – Ethernet, USB, RS232
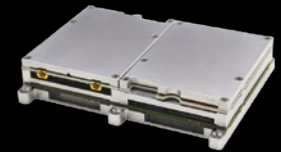- Encryption – AES 256; FIPS 140-3 Level 2

SC4200P OEM MODULE	
SIZE	91.7 x 54.61 x 18.03 mm
WEIGHT	137 grams
RF CONNECTORS	SMP (m)

STREAMCASTER SC4400

- Up to 20 Watts Output Power (80W Effective)
- Single/Dual Band Options (300MHz - 6GHz)
- 20/10/5 MHz Bandwidth (2.5/1.25 Option)
- Up to 100 Mbps Data Rate
- Interfaces – Ethernet, USB, RS232
- Encryption – AES 256; FIPS 140-3 Level 2

SC4400 OEM MODULE	
SIZE	109 x 84 x 21 mm
WEIGHT	288 grams
RF CONNECTORS	SMP (m)

SPECTRUM DOMINANCE

Achieve RF Spectrum Overmatch in any Operational Environment with access to an expansive suite of LPI/LPD and Anti-Jamming capabilities

- Secure and Protected Comms without Sacrificing Performance
- Designed to thrive in Congested & Contested EW environments
- Achieve mission objectives even under electronic attack
    - MANET Power Control (MAN-PC)*
    - MANET Protected Waveform (MAN-PW)*
    - MANET Interference Avoidance (MAN-IA)
    - MANET Interference Cancellation (MAN-IC)*
    - * ITAR Controlled