

StreamCaster 4400 *Enhanced*

4x4 MIMO radio



...performance **ENHANCED**

SILVUS
TECHNOLOGIES

LEADING THE MIMO REVOLUTION

STREAMCASTER 4400E



GENERAL

| | | |
|--|---|--------------------|
| MODEL NUMBER | NATIVE TX POWER | EFFECTIVE TX POWER |
| SC4410 | 1mW – 1W | Up to 4W |
| SC4480 | 1mW – 8W | Up to 32W |
| SC4410 | 1mW – 20W | Up to 80W |
| WAVEFORM | Mobile Networked MIMO (MN-MIMO) | |
| ENCRYPTION | DES56 (Standard) AES256 (Optional) FIPS 140-3 Level 2 | |
| DATA RATE | Up to 100Mbps (Adaptive) | |
| MIMO TECHNIQUES | Spatial Multiplexing, Space-Time Coding, TX/RX Eigen Beamforming | |
| PUSH-TO-TALK VOICE | G.711/G.722/Opus Codec | |
| LATENCY | 7ms average (20MHz BW) | |
| SENSITIVITY | -102dBm @ 5MHz BW -108dBm @ 1.25MHz BW (optional) | |
| FREQUENCY BANDS | Bands from 300MHz to 6GHz available | |
| CHANNEL BANDWIDTH (MHZ) | 20/10/5 (2.5/1.25 Optional) | |
| SCALABILITY | 550+ Nodes | |
| SPECTRUM DOMINANCE LPI/LPD & ANTI-JAM CAPABILITIES | MANET Spectrum Analyzer (MAN-SA) MANET Power Control (MAN-PC)* MANET Protected Waveform (MAN-PW)* MANET Interference Cancellation (MAN-IC)* MANET Interference Avoidance (MAN-IA) | |
| * ITAR-Controlled | | |

FREQUENCY BAND OPTIONS

(all bands listed in MHz; dual band configurations available)

| BAND | CODE | RANGE | BAND | CODE | RANGE |
|-------------|------|-------------|---------------|------|-------------|
| UHF | 034 | 300 - 380 | BROADCAST | 206 | 2025 - 2110 |
| | 042 | 400 - 450 | S | 225 | 2200 - 2300 |
| | 068 | 663 - 698 | | 235 | 2200 - 2500 |
| 900 MHz ISM | 091 | 902 - 928 | 2.4 GHz ISM | 245 | 2400 - 2500 |
| L | 137 | 1350 - 1390 | C | 467 | 4400 - 4940 |
| | 139 | 1350 - 1440 | | 485 | 4700 - 5000 |
| | 147 | 1452 - 1492 | PUBLIC SAFETY | 512 | 4940 - 5300 |
| | 150 | 1492 - 1525 | 5 GHz ISM | 520 | 5150 - 5250 |
| | 179 | 1790 - 1805 | | 580 | 5725 - 5875 |
| | 182 | 1790 - 1850 | | | |

Note: If band of interest is not listed, please contact a sales representative

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MECHANICAL

| | |
|---|--|
| AMBIENT TEMPERATURE | -40° to +65° C |
| IP RATING | IP68 (Submersible to 20 meters for 30 min) |
| DIMENSIONS (SHORT FIN / LONG FIN)* | 134 x 115 x 46 mm / 134 x 115 x 66 mm |
| WEIGHT (DUAL BAND) (SHORT FIN / LONG FIN) | 861 grams / 1009 grams |
| MATERIAL | Black Anodized Aluminum |

* Without RF Connectors

POWER

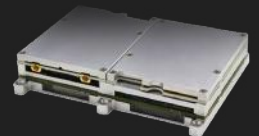
| | |
|-------------------|--|
| INPUT VOLTAGE | 9 - 20 VDC |
| POWER CONSUMPTION | 8W - 24W @ 1W TX Power 8W - 43W @ 8W TX Power 8W - 100W @ 20W TX Power |

INTERFACES

| | |
|--------------------|---|
| RF | 4x TNC(f) N(f) Optional |
| PRIMARY | Ruggedized Push/Pull Connector 1x Ethernet, 1x RS232, DC Input |
| AUXILIARY | Ruggedized Push/Pull Connector 1x USB 2.0 Host, 1x USB 2.0 OTG |
| PTT (PUSH-TO-TALK) | Ruggedized Breakaway Connector |
| STATUS INDICATOR | Tri-Color LED |
| CONTROL INTERFACE | Multi-Position Switch 8 Presets Plus Zeroize Crypto Web-Based StreamScape Network Manager |

MECHANICAL - OEM VERSION

| | |
|---------------|---------------------------|
| DIMENSIONS | 109 x 84 x 21 mm |
| WEIGHT | 258 g (288 g - Dual Band) |
| RF CONNECTORS | SMP (m) |



DISTRIBUTOR

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