

StreamCaster 4400 *Enhanced*

4x4 MIMO radio



...performance *ENHANCED*

SILVUS
TECHNOLOGIES

LEADING THE MIMO REVOLUTION

STREAMCASTER 4400E



GENERAL

| | |
|--------------------|--|
| WAVEFORM | Mobile Networked MIMO (MN-MIMO) |
| ENCRYPTION | DES56 (Standard) AES256 (Optional) FIPS140-2 Level 2 (Suite B) |
| DATA RATE | Up to 100Mbps (Adaptive) |
| MIMO TECHNIQUES | Spatial Multiplexing, Space-Time Coding, TX/RX Eigen Beamforming |
| OUTPUT POWER | 1mW - 8W variable (up to 32W effective w/TX Beamforming) |
| PUSH-TO-TALK VOICE | G.711/G.722/Opus Codecs, |
| LATENCY | 7ms average (20MHz BW) |
| SENSITIVITY | -102dBm @ 5MHz BW |
| FREQUENCY BANDS | Bands from 400MHz to 6GHz available |
| ONBOARD STORAGE | 64GB |
| DIAGNOSTICS | Spectrum Scanning, Statistics Logging, Temperature/Voltage Monitoring |
| ANTI-JAM FEATURES | MANET Interference Avoidance (MAN-IA) optional |

FREQUENCY BAND OPTIONS

(all bands listed in MHz)

| <u>BAND</u> | <u>RANGE</u> | <u>BAND</u> | <u>RANGE</u> |
|-------------------|--------------|-------------------|--------------|
| UHF (042) | 400-500 | Low C Band (455) | 4400-4700 |
| ISM 900 (091) | 902-928 | Federal C-1 (467) | 4400-4940 |
| L Band (137) | 1350-1390 | High C Band (485) | 4700-5000 |
| Upper L (182) | 1790-1850 | 5.2 GHz ISM (520) | 5150-5250 |
| Broadcast B (206) | 2025-2110 | 5.8 GHz ISM (580) | 5725-5875 |
| Federal (225) | 2200-2300 | | |
| S Band (235) | 2200-2500 | | |
| 2.4GHz ISM (245) | 2400-2500 | | |

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

MECHANICAL

| | |
|---------------------|---|
| AMBIENT TEMPERATURE | -40° to +65° C |
| IP RATING | IP68 (Submersible to 20 meters for 30 min) |
| DIMENSIONS | 133.35 x 114.3 x 45.72 mm without connectors |
| WEIGHT | 1134 grams |
| MATERIAL | Black Anodized Aluminum |
| MOUNTING | 4-Hole Mounting Pattern (Through-Hole) |

POWER

| | |
|-------------------|--|
| VOLTAGE | 9 - 20 VDC |
| POWER CONSUMPTION | 8 W - 43 W @ 8W TX Power 8 W - 24 W @ 1W 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 (Front Panel) |
| STATUS INDICATOR | Tri-Color LED |
| CONTROL INTERFACE | Multi-Position Switch 13 presets plus zeroize crypto Web-Based StreamScape Network Manager |

MECHANICAL - OEM VERSION

(shown below)

| | |
|---------------|---------------------------|
| DIMENSIONS | 108.97 x 83.82 x 20.83 mm |
| WEIGHT | 258 grams |
| RF CONNECTORS | SMP (m) |

