StreamCaster 4200 *Enhanced*
2x2 MIMO radio

...performance *ENHANCED*

SILVUS
TECHNOLOGIES

LEADING THE MIMO REVOLUTION

STREAMCASTER 4200E

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 - 4W variable (up to 8W effective w/TX Beamforming)
PUSH-TO-TALK VOICE	G.711/G.722/Opus Codecs, RoIP Tethering, Dual PTT
LATENCY	7ms average (20MHz BW)
SENSITIVITY	-99dBm @ 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

MECHANICAL

AMBIENT TEMPERATURE	-40° to +65° C
IP RATING	IP68 (Submersible to 20 meters for 30 min)
DIMENSIONS	101.6 x 66.8 x 38.35 mm without connectors
WEIGHT	425 grams
MATERIAL	Black Anodized Aluminum
MOUNTING	4-Hole Mounting Pattern (Through-Hole)

POWER

VOLTAGE	9 - 20 VDC
POWER CONSUMPTION	4.8 W - 24 W @ 4W TX Power 4.8 W - 16 W @ 1W TX Power
BATTERY LIFE	Up to 12 Hours (6.8Ah MBITR Battery)
POWER OPTIONS	Twist-Lock Battery (BB) or Front Panel (EB)

INTERFACES

RF	2x TNC(f)
PRIMARY	Ruggedized Push/Pull Connector 1x Ethernet, 1x RS232, DC Input (EB only)
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

FREQUENCY BAND OPTIONS

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

BAND	RANGE	BAND	RANGE
UHF-I (042)	400-450	Federal S (225)	2200-2300
UHF-II (068)	663-698	S Band (235)	2200-2500
900MHz ISM (091)	902-928	2.4GHz ISM (245)	2400-2500
Lower L (137)	1350-1390	Low C Band (455)	4400-4700
Extended L (139)	1350-1440	Federal C-1 (467)	4400-4940
Middle L (147)	1452-1492	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

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

MECHANICAL - OEM

(shown below)

DIMENSIONS	91.7 x 54.61 x 18.03 mm
WEIGHT	116 grams
RF CONNECTORS	SMP (m)