StreamCaster® 4200 *Enhanced Plus*
2x2 MIMO radio

...performance *ENHANCED*

SILVUS
TECHNOLOGIES
LEADING THE MIMO REVOLUTION

STREAMCASTER 4200E+

GENERAL

MODEL NUMBER	NATIVE TX POWER User Adjustable	EFFECTIVE TX POWER w/ Beamforming
SC4210	1mW - 1W	Up to 2W
SC4240	1mW - 4W	Up to 8W
SC42A0	1mW - 10W	Up to 20W

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 RoIP Tethering, Dual PTT
LATENCY	7ms average (20MHz BW)
SENSITIVITY	-99dBm @ 5MHz BW -105 dBm @ 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
DIAGNOSTICS	Temperature/Voltage Monitoring Statistics Logging

SPECTRUM DOMINANCE – LPI/LPD & ANTI-JAM CAPABILITIES

AVAILABLE FEATURES	BETA FEATURES
MANET Spectrum Analyzer (MAN-SA)	Silent Mode (RX Only)
MANET Power Control (MAN-PC)*	True Broadcast
MANET Protected Waveform (MAN-PW)*	Dual Frequency Link (TX/RX)
MANET Interference Cancellation (MAN-IC)*	
MANET Interference Avoidance (MAN-IA)	

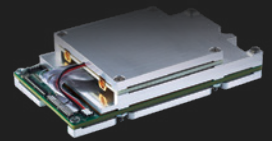*ITAR Controlled

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

MECHANICAL

OPERATING TEMPERATURE	-40° to +85° C
IP RATING	IP68 (Submersible to 20 meters for 30 min)
DIMENSIONS	101.6 x 66.8 x 38.35 mm Without RF Connectors
WEIGHT	425 grams
MATERIAL	Black Anodized Aluminum

POWER

INPUT VOLTAGE	9 - 20 VDC
POWER CONSUMPTION	5 W - 16 W @ 1W TX Power 5 W - 24 W @ 4W TX Power 5 W - 48 W @ 10W TX Power
BATTERY LIFE	Up to 12 Hours (6.8Ah Battery)
POWER OPTIONS	Twist-Lock Battery (BB) or Front Panel (EB)

INTERFACES

RF	2xTNC(f) N(f) Optional
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
STATUS INDICATOR	Tri-Color LED
CONTROL INTERFACE	Multi-Position Switch 13 presets plus zeroize crypto Web-Based StreamScape Network Manager

MECHANICAL - OEM VERSION

DIMENSIONS	91.7 x 54.61 x 18.03 mm
WEIGHT	122 grams (137 grams for dual band)
RF CONNECTORS	SMP (m)

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