

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	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

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 RF Connectors
WEIGHT	425 grams
MATERIAL	Black Anodized Aluminum

POWER

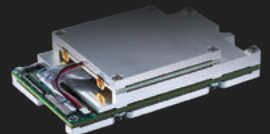
INPUT VOLTAGE	9 - 20 VDC
POWER CONSUMPTION	5 W - 16 W @ 1W TX Power 5 W - 24 W @ 4W TX Power 5 W - 48 W @ 10W TX Power
BATTERY LIFE	Up to 12 Hours (6.8Ah Battery)
POWER OPTIONS	Twist-Lock Battery (BB) or Front Panel (EB)

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)



www.silvustechologies.com

The following notice applies to the sale, lease, or offer of this device other than for use by the United States Government or for export: This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained. Please contact Silvus for questions about the FCC approval status or requirements that pertain to this device including whether an FCC approved version is available. Exported devices are subject to the laws of the countries into which they are exported.