StreamCaster 4400 Enhanced

4x4 MIMO radio

...performance ENHANCED

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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 - 20W variable (up to 80W effective w/TX Beamforming)		
PUSH-TO-TALK VOIC	E G.711/G.722/Opus Codec		
LATENCY	7ms average (20MHz BW)		
SENSITIVITY	-102dBm @ 5MHz BW -108dBm @ 1.25MHz BW (optional)		
FREQUENCY BANDS	Bands from 400MHz to 6GHz available		
CHANNEL BANDWID	TH (MHz) 20/10/5 (2.5/1.25 Optional)		
ONBOARD STORAGE	64GB		
DIAGNOSTICS	Temperature/Voltage Monitoring Statistics Logging		
SPECTRUM DOMINANCE	MANET Spectrum Analyzer (MAN-SA) MANET Interference Avoidance (MAN-IA)		

MANET Interference Cancellation (MAN-IC)

FREQUENCY BAND OPTIONS

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

<u>BAND</u>	<u>RANGE</u>	<u>BAND</u>	<u>RANGE</u>
UHF-I (042)	400-450	S Band (235)	2200-2500
UHF-II (068)	663-698	2.4GHz ISM (245)	2400-2500
900MHz ISM (091)	902-928	Low C Band (455)	4400-4700
Lower L (137)	1350-1390	Federal C-1 (467)	4400-4940
Extended L (139)	1350-1440	High C Band (485)	4700-5000
Middle L (147)	1452-1492	Public Safety+ (512)	4940-5300
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 S (225)	2200-2300		

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



MECHANICAL

AMBIENT TEMPERATURE

VOLTAGE

PRIMARY

AUXILIARY

PTT (PUSH-TO-T/

STATUS INDICAT

CONTROL INTERFACE

RF

POWER CONSUMPTION

-40° to +65° C

IP RATING IP68 (Submersible to 20 meters for 30 min) 133.35 x 114.3 x 45.72 mm without connectors DIMENSIONS WEIGHT 1134 grams MATERIAL **Black Anodized Aluminum** MOUNTING 4-Hole Mounting Pattern (Through-Hole)

POWER

9 - 20 VDC

8 W - 100 W @ 20W TX Power 8 W - 43 W (a) 8W TX Power 8 W - 24 W (a) 1W TX Power

INTERFACES

	4x TNC(f) N(f) Optional
	Ruggedized Push/Pull Connector Ix Ethernet, 1x RS232, DC Input
	Ruggedized Push/Pull Connector 1x USB 2.0 Host, 1x USB 2.0 OTG
ALK)	Ruggedized Breakaway Connector (Front Panel)
OR	Tri-Color LED

Multi-Position Switch 13 presets plus zeroize crypto Web-Based StreamScape Network Manager

MECHANICAL - OEM VERSION

108.97 x 83.82 x 20.83 mm

258 grams

SMP (m)

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