

The image shows a close-up, angled view of a black, industrial-grade antenna array. The array is composed of several rectangular modules, each featuring a prominent, vertically-oriented, ribbed heat sink. The modules are interconnected with various connectors, including SMA and D-sub connectors, which are labeled with terms like 'ANT 1', 'ANT 2', 'ANT 3', 'ANT 4', 'PRI', 'PTT', and 'AUX'. The overall design is modular and rugged, consistent with the IP67 rating mentioned in the text. The background is dark, highlighting the metallic and plastic components of the device.

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MIMO CENTRAL TRANSCEIVER ARRAY

Long range 360 degree coverage
4x4 MIMO in each of 4 sectors (N,W,S,E)
TR/RX with multiple subscriber nodes simultaneously
Quick release modular design
IP67 construction for outdoor use

HYDRA

MIMO CENTRAL TRANSCIEVER ARRAY

Hydra incorporates 4 x StreamCaster 4400 radios and 16 x compact sector antennas to create a high-power / high-gain transceiver for long range applications

Applications

- Manned/unmanned aircraft groundstations
- Citywide mesh networks
- Border security
- Tactical communications infrastructure

Specifications

TX power	20W power output per sector (80W effective, thanks to TX beamforming)
Waveform	MN-MIMO (compatible with all StreamCaster radios)
Antenna beam pattern	360 degrees azimuth x 18 degrees vertical (uplook optional)
Frequency bands	2200-2500MHz (freq code 235) 4400-4940MHz (freq code 467)
Weight	235 model - 33 lbs 467 model - 19 lbs
Dimensions	235 model - 43in (height) x 16.2in (diameter) 467 model - 29in (height) x 15in (diameter)



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