

5G Sniper Pro Amp

FAR BEYOND THE LIMITS

Take advantage of the LTE/5G network up to 100 km from the coast*

5G Sniper Pro Amp is the most advanced technology to track and communicate with LTE/5G antennas ashore. The system is composed of:

A high precision tracking platform, a 105 cm parabolic high-gain dish with multi-band LTE/5G feed, a directional boosted antenna, a 2-ways high-gain, multi-band RF amplifiers and the network equipment for (Wi-Fi router, modem, firewall, switch).

This allows the ship to be connected to the terrestrial LTE/5G network while sailing up to 100 km away from the coast*.

This 5G Sniper Pro Amp is the top of the range of the product line and is superior to the other versions thanks to the signal amplifier that allows 2 key functions, increase the operational range of the vessel, as well as increase the spectrum at which the 5G bands are optimized for the maximum bandwidth capacity.

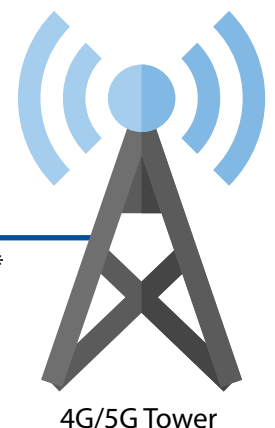
With a large dish, but a low weight due to its carbon-fiber dish, 5G Sniper Pro Amp is suitable for Cruise Liners, Ferries, Commercial Vessels and Mega Yachts.

SkyComm is the leader of "On The Move Telecom sector" with over 30 years of research and development in the maritime field. Unlike its competitors, 5G Sniper Pro Amp is the only product concentrating the communication beam through the automatic, multi-bands and very high gain tracking dish system capable of pointing to the most performing ground LTE/5G cells. Our integrated approach is the only one which will assure you optimal stability, bandwidth and the best long distance performance available all the time.

CELLCHOICE™ - Our proprietary algorithm allows for constant optimization of cell monitoring and selection. During mooring, anchor and navigation it manages the entire set of cells available on its constantly database, giving priority according to signal strength, power and pricing profile selected by the user.



115 cm



Up to 100 km*

4G/5G Tower

* distance to BTS (Base Transceiver Station), in best LTE operator service and installation conditions

5G Sniper Pro Amp

Technical Specs

Radiofrequencies

RF power output

4W per band

Antenna gain:

15 dBi @ 800 MHz; 23.5 dBi @ 1800 MHz;
24 dBi @ 2100 MHz; 25.5 dBi @ 2600 MHz;
29 dBi @ 3800 MHz;

Beam aperture:

37° @ 800 MHz; 13.5° @ 1800 MHz;
12.5° @ 2100 MHz; 10.9° @ 2600 MHz;
7.1° @ 3800 MHz;

RF router+amplifier average density radiated power

19.8 dBW @ 800 MHz; 28.3 dBW @ 1800 MHz;
28.8 dBW @ 2100 MHz; 30.3 dBW @ 2600 MHz;
33.8 dBW @ 3800 MHz;

LTE category

6 (300 Mbps downlink, 50 Mbps uplink)

3G category

R7 (21 Mbps downlink, 5.76 Mbps uplink)
R8 (42.2 Mbps downlink, 5.76 Mbps uplink)

Tracking

Azimuth tracking speed:

30°/sec

Azimuth tracking accuracy:

+/- 0,5°

External gyro input required:

via TTL or Nmea 0183

Suitable for Cruise Liners, Ferries, Commercial Vessels and Mega Yachts

Very high gain, multi-user, 105cm parabolic dish, highly
focused beam antenna with cell tower autotracking

Miscellaneous

Radome dimension

Diameter 115cm x Height 130cm

Weight

42 kg

Supported input voltage

110-220 V

Operating ambient temperature

-30°C .. +70°C

Max power consumption

1500 W (peak in tracking)

Connections

Ethernet via multi channel Ethernet slip ring,
Power supply cable

Supported bands

5G

n41(2500)/ n77(3700)/ n78(3500)/ n79(4700)

LTE (FDD) bands

1(2100)/ 2(1900)/ 3(1800)/ 5(850)/ 7(2600)/
8(900)/ 12(700)/ 17(700)/ 20(800)/ 25(1900)/
26(850)

LTE (TDD) bands

38(2600)/ 39(1900)/ 40(2300)/ 41n(2500)

3G bands

1(2100)/ 2(1900)/ 5(850)/ 8(900)

Standard

IEC60945 for professional maritime equipment
of satellite configurations



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For further information

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