LONG RANGE
RADIO
SPECIFICATIONS

emesent

Emesent's Long Range Radio accessory easily attaches to a compatible Hovermap to increase the connectivity range up to 20 times, for a reach of up to one kilometer with above ground, line of sight flight.* This allows you to reap the full benefits of Hovermap's autonomy and mapping capabilities and extend the range of its applications.

LONG RANGE RADIO SPECIFICATIONS

Ingress Protection	Air-side IP65
Dimensions & Weight	Air-side 10 oz (285g) with 915MHz antennas 9.2 oz (260g) with 2.4GHz antennas 1.25 x 3.70 x 4.72 in (32 x 94 x 120 mm) without antennas
	Ground-side 24 oz (680g) with battery 2.75 x 2.75 x 5.90 in (70 x 70 x 150mm) without antennas

Operating Frequency & Power	Long Range Link
	2.4GHz Model: EU/UK: 2447-2457MHz @ 20dBm EIRP
	                         JP: 2447-2457MHz @ 20dBm EIRP
	                         AU/NZ/US/CA: 2447-2457 MHz @ 30dBm EIRP
	915MHz Model: AU/NZ/US/CA: 916-926 MHz @ 30dBm EIRP

	Ground-side Wifi Access Point All models:2437-2447MHz @ 20dBm EIRP

Maximum Tested Distance	2.4GHz Model:	EU/UK: 656ft (200 m) JP: 656ft (200 m) AU/NZ/US/CA: 2952ft (900 m)
	915MHz Model:	AU/NZ/US/CA: 4921ft (1500m)
	*All specified ranges are subject to environment and product configuration	
Throughput	Up to 20 Mbps	
Data Encryption	128-bit AES hardware data encryption	
Power	Air-side 9-20V (15W)	
	Ground-side 7.2V (14W)	
Operating Temperature	14°F to 113° F (-10°C to 45°C)	
Hovermap Compatibility	Hovermap ST, Hovermap ST-X	
Drone Compatibility	DJI M300, DJI M350	