

Also available as a true multi-receiver unit.

Enabling parallel monitoring, geolocation & analysis.



Radio Monitoring

Portable Monitoring

LS OBSERVER

Protected Portable Unit (PPU) 312n



TECHNICAL DETAILS **LS OBSERVER PPU 312n**

RF Characteristics		
RF Characteristics	Frequency range	100 kHz to 12.4 GHz
	Scanning speed	up to 140 MHz/s
	Max. input level	+16 dBm, 0 VDC
	Instantaneous bandwidth	up to 240 kHz
	Frequency accuracy	1 ppm

Connectivity		
Connectivity	RF antenna input	2x N-Type, switchable
	External GPS antenna input	yes
	Wired networking	1x Gigabit-Ethernet
	Wireless networking	UMTS, LTE, 5G (optional, EMEA only)
	Wireless local networking	WiFi (802.11 b/g/n)

Geolocation		
Geolocation	Direction Finding (DF)	yes, with optional directional antenna
	Gain Ratio of Arrival (GROA+ [®]) ¹	yes
	Time Difference of Arrival (TDoA)	no
	GPS receiver	yes
	GPS antenna input	1x SMA, antenna included

Storage		
Storage	Storage time of raw data ²	up to 30 days
	Storage time of statistic data ³	up to 2 years

Environmental Parameters		
Environmental Parameters	Ruggedized	yes
	Temperature range ⁴	-30°C up to +55°C
	Power supply	12-16 VDC, 120 W AC adapter included
	Power consumption	typical 45 W, max. 80 W (while charging)
	Battery runtime ⁵	typical 3 hours at 25°C
	Weight ⁶	approximately 16 kg
	Dimensions in mm (W/H/D)	System unit 560 x 450 x 245
	Humidity (non-condensing)	up to 100 %
	Protection	IP 65
	Colour	black
Software	LS OBSERVER CMS	

¹ Including option GROA+[®]

² No IQ data / dependent on frequency range and RBW

³ Using LS statistical processed raw data

⁴ Startup-temperature greater -10°C

⁵ Dependent on operation mode

⁶ Including batteries

For further information, please visit our website www.LStelcom.com or contact Info@LStelcom.com.