

Also available as a true multi-receiver unit.

Enabling parallel monitoring, geolocation & analysis.



Radio Monitoring



# Portable Monitoring

LS OBSERVER

Protected Portable Unit (PPU) 306w

# TECHNICAL DETAILS **LS OBSERVER PPU 306w**

RF Characteristics		
RF Characteristics	Frequency range	9 kHz to 6 GHz
	Scanning speed	up to 24 GHz/s
	Max. input level	+16 dBm, 0 VDC
	Instantaneous bandwidth	up to 27 MHz
	Frequency accuracy	0.01 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 or AOA 1xx DF antenna system
	Gain Ratio of Arrival (GROA+ <sup>®</sup> ) <sup>1</sup>	yes
	Time Difference of Arrival (TDoA) <sup>2</sup>	yes
	GPS receiver	yes
	GPS antenna input	1x SMA, antenna included

Storage		
Storage	Storage time of raw data <sup>3</sup>	up to 30 days
	Storage time of statistic data <sup>4</sup>	up to 2 years

Environmental Parameters		
Environmental Parameters	Ruggedized	yes
	Temperature range <sup>5</sup>	-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 <sup>6</sup>	typical 3 hours at 25°C
	Weight <sup>7</sup>	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	

<sup>1</sup> Including option GROA+<sup>®</sup>

<sup>2</sup> Including option TDoA

<sup>3</sup> No IQ data / dependent on frequency range and RBW

<sup>4</sup> Using LS statistical processed raw data

<sup>5</sup> Startup-temperature greater -10°C

<sup>6</sup> Dependent on operation mode

<sup>7</sup> Including batteries

For further information, please visit our website [www.LStelcom.com](http://www.LStelcom.com) or contact [Info@LStelcom.com](mailto:Info@LStelcom.com).