



Radio Monitoring

Flexible Monitoring

LS OBSERVER
Small Monitoring Unit (SMU) 306w

TECHNICAL DETAILS LS OBSERVER SMU 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	1x N-Type
	Wired	2x Gigabit-Ethernet (LAN), 1x USB 2.0
	Wireless networking	UMTS, LTE
	Wireless local networking	WiFi (802.11 b/g/n)

Geolocation		
Geolocation	Direction Finding (DF)	yes, with optional directional antenna
	Power Difference of Arrival (PDoA)¹	yes
	Time Difference of Arrival (TDoA)²	yes
	GPS receiver	yes
	GPS antenna input	1x SMA, antenna included

Storage		
Storage	Storage time of raw data³	up to 30 days
	Storage time of statistic data⁴	up to 2 years

Environmental Parameters		
Environmental Parameters	Ruggedized	yes
	Temperature range⁵	-20°C to +50°C
	Power supply	90-264 VAC 50-60 Hz or 13-25 VDC
	Power consumption	max. 30 W
	Battery runtime (typ.)⁶	2 hours (hot swap capable)
	Weight (system unit)⁷	5.30 kg
	Dimensions in mm (W/H/D)	350 x 250 x 60
	Humidity (non-condensing)	up to 95 %
	Protection	IP 54
	Colour	anthracite-gray
	Software	LS OBSERVER RMS (Remote Monitoring Software)

¹ Including option PDoA

² Including option TDoA

³ Using LS noise reduced raw data material (not IQ data)

⁴ Using LS statistical processed raw data

⁵ Startup-temperature greater -10°C

⁶ Dependent on battery type

⁷ Including batteries (dependent on battery type)

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