

Also available as a true multi-receiver unit.
Enabling parallel monitoring, geolocation & analysis.



Radio Monitoring

Fixed Monitoring

LS OBSERVER
Fixed Monitoring Unit (FMU) 306w

TECHNICAL DETAILS LS OBSERVER FMU 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 bandwidth¹	up to 27 MHz
	Frequency accuracy	0.01 ppm
Connectivity		
Connectivity	RF antenna input	1x N-Type opt. 4-to-1 antenna switch or diplexer
	External GPS antenna input	yes
	Wired networking	1x Gigabit-Ethernet
	Wireless networking	UMTS, LTE
	Wireless local networking	opt. WiFi (802.11 b/g/n)
Geolocation		
Geolocation	Direction Finding (DF)	yes, with optional directional antenna or AoA 1x DF antenna system
	Power Difference of Arrival (PDoA)²	yes
	Time Difference of Arrival (TDoA)³	yes
	GPS receiver	yes
	GPS antenna input	1x SMA, antenna included
Storage		
Storage	Storage time of raw data⁴	up to 30 days
	Storage time of statistic data⁵	up to 2 years
Environmental Parameters		
Environmental Parameters	Ruggedized	yes
	Temperature range⁶	-30°C up to +55°C
	Power supply	10-32 VDC or 100-240 VAC 50-60 Hz with external PSU
	Power consumption	max. 110 W typ. 45 W
	Weight	24.5 kg
	Dimensions in mm (W/H/D)	370 x 522 x 210 370 x 522 x 280 with mast clamp
	Humidity (non-condensing)	up to 95 %
	Protection	IP 65
	Colour	white
	Software	LS OBSERVER RMS (Remote Monitoring Software)

¹ With AoA 1xx option in DF mode: 20 MHz max

² Including option PDoA

³ Including option TDoA

⁴ Using LS noise reduced raw data material (not IQ data)

⁵ Using LS statistical processed raw data

⁶ Startup-temperature greater -20°C or option pre-heating

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