

SISTEMA X5 CORS LITE

A Continuous Monitoring GNSS Station offers accurate data at all times for various applications such as Geodesy, Topography, Cartography, GIS, Drones, Transportation, Construction and Cadastre.

The CORS GNSS system is an AIO platform (High Performance Antenna, GNSS Receiver, CPU and Management Software).



With CORS Launch you can start the system from an absolute position, enter Caster credentials and view satellite tracking.

This Intelligent System allows automating Geospatial Data processes.

The logo for meltatec, featuring a stylized blue circular icon with a white dot inside, followed by the word "meltatec" in a lowercase, sans-serif font.

Inventories, Cadastre, Territorial Planning, Transportation.



Geospatial Data Management.



Centimeter accuracy in the Effective Zone.



Cartographic support for different areas.



TECHNICAL SPECIFICATIONS

ANTENNA

Constellations	GPS, GLONASS, GALILEO, BEIDOU
Frequency	L1, L2, L5 - L1/L2 - E1/E2/E5ab - B1/B2/B3
Polarization	RHCP
Phase center error	+/- 2mm
Revenue	50 +/-2dB
Connector	TNC-K
Operating temperature	-45°C – +85°C
Protection	IP67

RECEPTION UNIT

Number of channels	184
Types of signals	GPS L1C/A L2C; GLONASS L1OF L2OF; GALILEO E1B/C E5b; BeiDou B1I B2I; QZSS L1C/A L2C L1S L5, SBAS L1C/A.
Anti-Jamming	Active CW (Continuous Wave) Detection and Elimination
Anti-spoofing:	Advanced anti-spoofing algorithms

CPU	
Size	10.1 inches
Protection	IP65
Resolution	1280*800 px (16:10)
Glow	400cd/m2 (typ)
CPU	Intel i5 8260 4 cores 8 threads Base 1.6Ghz / Turbo 3.9 GHz, 6MB Cache
RAM	16GB DDR4
Storage	128GB SSD
Ports	USB 3.0x4; USB2.0 x2; RJ45x2; DB-9 x6 COM1, COM2 RS232/422/485 COM3, COM4, COS5, COM6 (RS232); GPIOx10; 1x remote switch; 2x 8Ω 1W Amplifier out; HDMI/Audio LineOut
Operating System	Windows 11
Operating Temperature	-20°C a 60°C



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