



Size: 257 mm × 176 mm × 67 mm

Weight: ≤3Kg

Features

Updated to K8 Platform, Support GPS, GLONASS, Beidou, Galileo, QZSS and SBAS

Compact Housing with Flexible Interfaces for External Devices

User-friendly Front Panel Display and Configuration

Full Remote Control with Powerful Built-in Web Server

Large Capacity Internal Memory and Expandable Memory

Integrated Battery Serves as Primary Power or an UPS Backup

Built-in 4G/Ethernet Data Transmission

M360 Ultra 2026 GNSS Receiver

ALL GNSS CONSTELLATIONS TRACKED

The M360 Ultra 2026 is equipped with SinoGNSS K8 platform. It tracks 965 channels of existing and planned GNSS constellations, including GPS, GLONASS, Beidou, Galileo and QZSS. There is no doubt that the M300 Pro 2023 is always keeping pace with GNSS development, which provides a robust and future-proof GNSS solution for CORS.

PROVEN DESIGNED

The M360 Ultra 2026 is designed as a multi-purpose GNSS receiver for a wide range of high-accuracy positioning applications. The intuitive touchscreen interface makes it easier to configure and check receiver's status. Customers also benefit from its flexible interfaces that support Ethernet, serial and USB connections, allowing users to combine with external sensors to meet the unique application demand.

IDEAL FOR REFERENCE STATION

The integrated lithium-ion battery works as a primary power or an Uninterrupted Power Supply (UPS) backup, combined with raw data loop recording function, M360 Ultra 2026 can achieve continuous long-term recording. These proven designs make M360 Pro 2023 an optimal choice for the reference station, deformation monitoring, harbor construction and any applications where positioning accuracy and reliability matter the most.

POWERFUL REMOTE CONTROL

The powerful built-in WebServer provides a full remote control of receiver configuration, status checking, firmware update, data download and user management. The M360 Ultra 2026 supports five independent data transfer through TCP protocol in RTCM, ComNav binary, NMEA, and BINEX data formats, combined with Email Alert and FTP push, which truly improves the effectivity and profitability of your business.

SinoGNSS

M300 Ultra 2026 GNSS Receiver

M Series GNSS Receiver

Ver.2026.03.20

Signal Tracking

Channel	965
GPS	L1C/A, L1C, L2P, L2C, L5
BDS	B1I, B3I, B1C, B2a, B2b
GLONASS	G1, G2, G3
Galileo	E1, E5a, E5b, E6c, E5 AltBOC
QZSS	L1 C/A, L2C, L5, L1C, L1-SALF
IRNSS	L5
SBAS	L1C/A, L5

Advanced multipath mitigation technology

Low noise carrier phase measurements with <1 mm precision in a 1 Hz bandwidth

High precision multiple correlators for GNSS pseudorange measurements

Signal Noise Ratios reported in dB-Hz

Time Precision

GPS+Glonass+Beidou 7 ns

Positioning Specifications

Post Processing	2 mm + 0.5 ppm Horizontal 4 mm + 0.5 ppm Vertical
Single Baseline RTK	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
Network RTK	8 mm + 0.5 ppm Horizontal 15 mm + 0.5 ppm Vertical
DGPS	<0.4m RMS
Standalone	1m 3D RMS
SBAS	0.5 RMS Horizontal 0.8 RMS Vertical

Communications

	One 2-pin Lemo port for power supply and battery charging
2 Lemo Ports	One 7-pin Lemo port (USB UART port) for system debugging and static data downloading and for 1*RS232 (system connection, reserved)
1 DB9 male port	Standard RS232 protocol
2 Card slot	1 SIM; 1 SD
1 RJ45 LAN Ethernet port (10/100M Bit)	Supports protocols HTTP, TCP/IP, FTP, NTRIP
14-pin port	- 1 PPS output; - 1 Event input; 1*CLOCK; 1* RS485; 1*12 VDC output; 1* Program Trigger
2 SMA male connectors	- 1 Reserved for WLAN and Bluetooth - 1 GPRS antenna connector
1 TNC connector	GNSS Antenna connector
4G modem	- LTE-FDD: B1/B3/B5/B8 - LTE-TDD: B34/B38/B39/B40/B41 - WCDMA: B1/B8 - GSM: B3/B8

Physical

Size(L × W × H)	257 mm × 176 mm × 67 mm
Weight	≤3 kg
Housing	Rugged aluminum housing

Data Format

Correction data I/O	RTCM 2.X, 3.X, RTCM3.2, CMR (GPS only), CMR+(GPS only)
Position data output	ASCII: NMEA-0183: GSV, RMC, HDT, VHD, GGA, GSA, ZDA, VTG, GST, PJK, PTNL Extended NMEA-0183: BDGGA, GPNTN, GPCDT, GPHPR
Observations	ComNav binary, BINEX, RTCM, RINEX, compatible with major CORS software (VRS, FKP and iMax)

Data logging

Loop recording function supports long-term recording

Support Twelve simultaneously raw data recording

Maximum 50 Hz data logging rate

Storage capacity	64 GB internal memory Maximum 1TB external memory
File format	5/10/15/20/30 min and 1/2/4/24 hour
Data retrieval and transfer	FTP and USB

Environmental

Operating temperature	-40 °C to + 65 °C
Storage temperature	-45 °C to + 80 °C
Humidity	100% no condensation
Waterproof and dustproof	IP67, survives the temporary immersion to a 1 m depth
Shock	Rugged aluminum case with rubber ring seal, designed to survive a 1m drop onto concrete
Salt spray resistance	C4
Mold resistance	Level 1, GJB150A-2009

Electrical

Power consumption	≤5W
External power input	7-36 VDC, with over-voltage protection
9000 mAh, Li-ion; 16-hour continuously working	

Recommend Antenna

AT340 GNSS Geodetic Antenna
AT600 GNSS Choke Ring Antenna
AT500 GNSS Choke Ring Antenna

User Interface

	4 arrow keys and data entry
Front Panel Display	Power button, Reset button and Esc button LCD display showing receiver's status
ComNav M300 Ultra 2026 Web Server	
CRU software	

SinoGNSS

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