

CONTINUOUS VIGILANCE AND EFFICIENT INTERACTION



During the chain of evolution, suricat colonies in Africa have developed an elaborate system for guarding and warning against predators. It is all about interaction within a richly differentiated social network. The parallels to The Monitor are obvious. Total control, flexibility and swift interaction are basic qualities making it a survivor in a tough environment.

SMART AND ACCURATE

The Monitor is an innovative, flexible and reasonably priced GPS – developed to communicate your position with great precision. It offers decimeter accuracy with differential corrections from coastal beacons and meter accuracy with WAAS/EGNOS corrections. It is suitable for a wide range of applications.

MULTIPLE APPLICATIONS

Mounted on a vehicle, The Monitor is an efficient tool e.g. for fleet management and within the forestry and road maintenance sectors. It is also a highly efficient alternative for free-standing applications requiring

exact positioning – e.g. GIS inventories. It delivers data in standard NMEA format, which can be used with GIS software and logistical applications.

SOME BASICS

- Reasonable price – robust design
- Compatible with a wide range of equipment
- 10-hour battery capacity
- Option for connection to external power sources and solar panels
- Ideal for fleet management, applications within logistics and GIS mapping
- WAAS/EGNOS correction offers meter accuracy
- Decimeter accuracy with coastal beacon correction



DataGrid is a company in the positioning field with focus set on GIS and data collecting with GNSS equipment. They are lightweight and easy to operate, ergonomic and future-proof – i.e. prepared to meet also future positioning needs.



SPECIFICATIONS MONITOR



Channels	12 GPS L1
Received signals	GPS L1 SBAS, WAAS, EGNOS and MSAS
Code phase GPS-positioning	Dynamic GPS (EGNOS, WAAS, SBAS, MSAS) +/-1m
Correction data	Beacon, DGPS Ntrip
Kinematic measurement	Realtime EGNOS 1 meter CEP, realtime DGPS decimeters
INITIALISATION TIME	
Cold Start	<150 seconds
Warm Start	<45 seconds
Re-acquisition	<1 seconds
POWER CONSUMPTION	
Battery operation	>10 hours continuous operation
Battery	Lithium-ion polymer
External power	8-24 volts DC
Power consumption	0,7 watts
HARDWARE	
Weight	Weight 370 g
Operating temperature	-30° C – +70° C
Dimensions	200x85x35 mm
Enclosure	Powder coated aluminium
Waters and dust proof	IP 65
VISUAL INDICATORS	
Diodes	Charging, DGPS
COMMUNICATION IN/OUT	
Communication ports	1 serial (RS232) NMEA 0183 compatible
DATA TYPE	
Output	Code GPS L1
Real time reference	DGPS with Coastal Beacon, Ntrip
ASCII output	NMEA 0183 via RS232
Position update rate	1 Hz
ANTENNA SPECIFICATION	
Aerial	L1 geodetic aerial
Weight	450 g
ERGONOMY	
Weight distribution	The market's lightest equipment, 720 g with balanced weight.
SOFTWARE	SurvCE or other GIS Software that accepts NMEA 0183