

SPECIFICATIONS*

	GMS-2	GMS-2 Pro
Number of channels	50 GPS + GLONASS L1 tracking	
WAAS/EGNOS	Yes	
CORS beacon	Yes with wireless BR-1	
Multipath Reduction	Yes	
Update Rate	1 Hz (20Hz with OAF option)	
Internal memory	Flash 256MB	
Internal RAM	128MB	
Processor / operating system	520MHz Intel PXA270 / Microsoft Windows CE.NET	
Expansion	Removable SD Card	
Internal Digital Camera	1.3 Megapixel	2 Megapixel
Output Format	JPEG or Bitmap	JPEG or Bitmap
Internal Electronic Compass	+/-11 degrees Accuracy	+/-4 degrees Accuracy
Internal Tilt Sensor	+/-30 degrees Range, +/-2 ° Accuracy	
Display	240 x 320 QVGA(portrait) 3.5 inch color TFT transmissive type, touchscreen	
Ports	Bluetooth, USB, Serial, External Antenna, Power	
Battery life	7 hrs while in GNSS mode	7 hrs while in GNSS mode w/o LDM, 5 hrs while in GNSS mode with LDM
Battery type	Li-Ion battery, rechargeable / removable	
Dimensions & Weight	197 x 90 x 46 (mm) , 0.7 kg	210 x 94 x 89 (mm), 0.9 kg
Environmental	IP66, 1 meter drop -20° to +50°C operating temperature -30° to +60°C storage temperature	
Specifications Internal Laser (GMS-2 Pro)		
Range	50 m	
Accuracy	<3 mm at 0.22 m to 10 m, <4 mm at 10 m to 30 m, <5 mm at 30 m to 50 m	
Integrated Barcode Scanner (GMS-2 Pro)		
Specification	2D barcode	

* all technical changes are reserved by TOPCON, 02/2009

BR-1 Receiver - flexibility and accuracy

The Beacon Receiver BR-1 is the companion to the popular GMS-2 and GMS-2 Pro mapping/imaging devices from Topcon. The BR-1 is designed to relay Coast Guard Beacon corrections wirelessly to Topcon's handheld receivers for increased accuracy. Running on common rechargeable batteries the BR-1 will provide added flexibility and accuracy to the GMS-2 and GMS-2 Pro mapping system.


TruPulse 360B in combination with GMS-2


With the TruPulse Laser Rangefinder we offer a tool that gives GIS professionals and surveyors the possibility to measure offsets making measurements easier and more productive.

The TruPulse can be simply connected to the GMS-2 or to FC Controllers via Bluetooth or cable.

It's time.

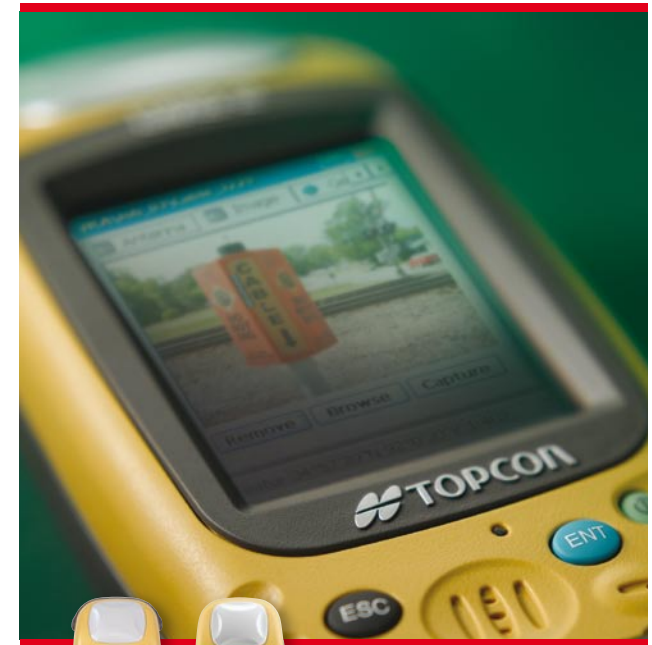
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HAND-HELD GIS MAPPING SYSTEM

A compact satellite positioning receiver

- GPS + GLONASS
- Digital camera
- Internal Bluetooth®
- Laser Rangefinder
- Barcode Scanner

It's time.

Not found in other GNSS hand-helds



Advanced digital imaging

- Integrated digital camera
- Collect, store and automatically link digital images to GNSS coordinate locations



Dual constellation tracking

- Combine GPS with GLONASS
- Better performance in tough, obstructed areas
- Consistently lower DOP values



Offset, Height & Width

- Combine Imaging Technology with the Laser Distance Meter for offset measurements
- Measure Height and Width directly on the image



Integrated 2D Barcode Scanner

- Save time on complex attribute lists using Scan Information
- Useful for inventories in every industry

Setting new standards!

Topcon's industry leading dual-constellation satellite tracking technology has been integrated into our small hand-held GNSS receiver, the GMS-2, which also includes an integrated electronic compass and digital camera. Our new GMS-2 Pro additionally includes a Laser Distance Meter for Offset, Height & Width measurements as well as the Barcode Scanning technology for all kinds of inventory management tasks.



- | | |
|---|---|
| 1 Laser Distance Meter | 7 Digital camera/
electronic compass |
| 2 Barcode Scanner | 8 External antenna port |
| 3 Dual constellation
satellite tracking | 9 Colour touch screen |
| 4 Stylus holder | 10 Removeable Li-ion battery |
| 5 Multiple software support | 11 SD memory slot, USB port
Serial and power port |
| 6 Internal Bluetooth® | |

Mobile GIS Software

Topcon offers several solutions for Mobile GIS applications. Using either Topcon's own powerful TopSURV mobile software, or work for instance with ESRI's ArcPad® in combination with several Topcon extensions you always get convenient and reliable results.



ESRI's ArcPad® provides an accurate, hassle-free data collection solution that enables you to capture, analyze, and display geographic information rapidly to make informed decisions in the field.

ArcPad is designed for diverse organisations looking to extend the benefits of GIS technology from the office to the field. ArcPad is reliable, requires minimal field training and lets you share critical enterprise information across your organisation quickly and efficiently.

GMS-2 – certified for area measurement

Topcon's GMS-2 has been through a validation scheme, and passed the certification process and is now officially proven for area and field measurements! With this certificate Topcon once again brings their customers the confidence that they chose the right product for their area and field measurements in the agricultural and forestry sector.

