

**SPECIFICATIONS**

	<b>GMS-2</b>
<b>Number of channels</b>	50 GPS + GLONASS L1 tracking
<b>DGPS accuracy</b>	50 cm HRMS
<b>L1 static function</b>	H: RMS 3 mm + 0,8 ppm V: RMS 4 mm + 1,0 ppm
<b>WAAS/EGNOS</b>	Yes
<b>CORS beacon</b>	Yes with BR-1
<b>Internal memory</b>	Flash 256 MB
<b>Processor / operating system</b>	520 MHz Intel PXA270 Bulverde / Microsoft Windows CE 5.0
<b>Onboard software</b>	TopPAD or TopSURV-GIS
<b>Office software</b>	Topcon Tools GIS
<b>Display</b>	3.5" 240 x 320 color QVGA w / touch screen
<b>Ports</b>	Bluetooth, USB, serial, ANT and power
<b>Battery life</b>	7.5 hrs while in GPS mode
<b>Battery type</b>	Li-Ion battery, rechargeable / replaceable
<b>Dimensions</b>	197 mm x 90 mm x 46 mm
<b>Weight</b>	0,7 kg
<b>Environmental</b>	IP66, 1 meter drop -20° to +50°C operating temperature -10° to +50°C operating with camera -30° to +60°C storage temperature

\* all technical changes are reserved by TOPCON, 10/2006


**The Leader in Positioning Technology ...**

Topcon Positioning Systems is the worldwide leading developer and manufacturer of precision positioning equipment and offers the widest selection of innovative precision GPS systems, laser, optical surveying and machine control products.



**It's time.**

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**HAND-HELD GIS MAPPING SYSTEM**

**Next generation of a compact satellite positioning receiver**

- GPS + GLONASS
- integrated digital camera
- customized field software
- internal Bluetooth®
- colour touch screen

**It's time.**

## Not found in other hand-held GPS units



### Advanced digital imaging

- Integrated digital camera
- Collect, store and automatically link digital images as an attributes to GPS coordinate locations



### Dual constellation tracking

- Combine the coverage of GPS with the GLONASS system
- More satellites means:
- Better performance in tough, obstructed areas
  - Consistently lower DOP values



### Customized software

TopPAD combines the power of ESRI's ArcPad® with a special user interface and hardware support specifically designed for Topcon GIS mapping systems TopPAD - For the advanced GIS professional



### Multiple device inputs

Access to a variety of ports:

- SD memory slot, power port, USB port, serial port, external antenna port

## Setting a new standard for handheld GPS systems!

Topcon engineers have incorporated our industry leading dual-constellation satellite tracking into a small hand-held GPS receiver, the new GMS-2. This innovative new system also provides an integrated electronic compass and digital camera powered by Topcon's revolutionary imaging technology. This powerful combination of dual-constellation satellite performance and digital imaging technology has set a new standard for GIS field mapping.



- |  |   |
|--|---|
| <b>1</b> Dual constellation satellite tracking   | <b>5</b> SD memory slot, USB port serial port, power port |
| <b>2</b> Stylus holder   | <b>6</b> Integrated digital camera & electronic compass   |
| <b>3</b> Multiple software support;<br>- Topcon TopPAD software<br>- Topcon TopSURV-GIS software | <b>7</b> External antenna port                            |
| <b>4</b> Internal Bluetooth® wireless technology connectivity                                    | <b>8</b> Ultra sharp color TFT touch screen               |
|  | <b>9</b> Removeable Li-ion battery                        |

## BR-1 Receiver - flexibility and accuracy

The new BR-1 is the companion to the popular GMS-2 mapping/imaging device from Topcon. The BR-1 is designed to relay Coast Guard Beacon corrections wirelessly to the GMS-2 receiver for increased accuracy. Running on common rechargeable batteries to the GMS-2 the BR-1 will provide added flexibility and accuracy to the GMS-2 mapping system.



## TopPAD Software

TopPAD software is a mobile GIS data collection system. It supports a multi-layer environment with industry-standard vector map and raster image display.

Other primary features include:

- Work in native shapefile formats eliminating the need to convert to a unique field data file format
- Ability to compare data directly to geographic features in the real world adds a deeper sense of reality to the GIS database
- Option to store raw GPS data for post-processing using Topcon tools GIS office software

