



Earthmate® GPS PN-20 – Technical Specifications

Display

- Bright color transfective TFT screen for clarity in any light conditions
- 2.2" diameter
- 220 x 176 pixels

Physical

- Waterproof to IPX7 standard,
- Impact-resistant rubberized housing
- Device dimensions: 2.43" W x 5.25" H x 1.5" D
- Weight: 5.12 ounces

Performance

- WAAS-enabled, 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to compute and update your position
- High-sensitivity NMEA-compliant 12-channel GPS receiver with low-power baseband and RF chipset
- STMicroelectronics chip technology with SiGE front-end and DeLorme firmware for faster acquisition times and outstanding signal retention
- Proprietary Kalman filter for enhanced GPS accuracy

Acquisition Times

- Warm: Approximately 15 seconds
- Cold: Approximately 60 seconds
- Update rate: 1/second, continuous

GPS accuracy

- Position: < 15 meters, 95% typical
- Velocity: 0.05 meter/sec steady state

WAAS accuracy

- Position: < 3 meters, 95% typical

Memory and Storage

- 75 MB available internal flash memory for user-uploaded maps
- SD card slot for up to 2 GB additional map storage (1GB SD card and Reader included)
- Holds up to 10 tracks (10,000 points per track), 1,000 user-defined waypoints, and 50 routes

Power

- Retail package includes 2 AA batteries

Topo USA® System Requirements

Operating Systems

- Microsoft Windows Vista® Home/Basic/Home Premium/Ultimate/Business with 512 MB RAM
- U.S. Version Microsoft Windows XP or 2000 (Service Pack 3 and higher): 128 MB RAM (256 MB recommended)
- Microsoft Windows 98/ME is not supported with this release

Internet Browser

- Microsoft Internet Explorer 5.01 or later

Hardware

- Intel® Pentium III 900 MHz or higher processor (1.8 GHz recommended)
- 1 GB of available hard-disk space
- DVD-ROM Drive
- 3D-capable video card with 32 MB VRAM (64 MB VRAM recommended)