

### KEY FEATURES

Rugged IP54 rating for tough outdoor conditions

Feature packed, fully integrated, affordable

3.75G cellular data and voice capability

High-sensitivity GPS receiver

5 megapixel autofocus camera with flash

Long life battery for all-day use

Lightweight and compact



### TRUSTED DATA COLLECTION WHENEVER YOU NEED IT

Harness the strength of your distributed team to provide geo-enabled data you can trust. With the Trimble® Juno® series, your mobile workforce is empowered with a fully integrated, GPS-based data collection system for everyday field work. If your organization is managing critical assets, responding to emergencies or keeping an enterprise GIS current, you can increase efficiency—both in the field and in the office with dedicated data collection workflows and Trimble Juno handhelds.

Delivered in a compact package resistant to dust, water, and shock, the Trimble Juno provides a complete, integrated package of positioning, imaging and communications for total flexibility day after day.



#### All in one mobile solution

Combining the benefits of a GPS device, camera, PDA, and cellphone, this pocket-sized device provides work teams with a range of tools in a single compact package, so there are fewer batteries to charge and fewer devices to manage.

With a camera at the ready, your teams can document exactly what they see in the field. The Trimble Juno combines photos with GPS so photos can be instantly geotagged for future reference. In addition, field to office collaboration is

dramatically improved because photos can be sent from the field for review back in the office.

For standard positioning applications such as navigation, the high-sensitivity receiver delivers optimal yield so you can get a position fast in the harshest conditions. 2 to 5 meter positional accuracy is always available in real time in regions with SBAS coverage. In addition, accuracy can be further improved to 1 to 3 meters through simple postprocessing routines to meet company or regulatory standards.



#### Designed for GIS workflows and distributed teams

In GIS environments, data integrity and standardization is critical to maintain total workflow efficiency. Professional, geo-enabled data collection requires dedicated field software. The Trimble Juno series is optimized for Trimble TerraSync™ software and other industry-standard field software, so you can be confident that the data you receive back in the office is exactly what you need for streamlined integration into your enterprise GIS and fast updates.

# TRIMBLE JUNO SERIES

## PRODUCT MODELS

	Juno 3B	Juno 3D
Cellular voice & data	No	Yes
Integrated camera	5 MP	5 MP with Flash
Microsoft Office Mobile	No	Yes

## STANDARD FEATURES

### System

- Integrated data and voice capable 3.75G cellular with SMS capability (Juno 3D only)
- 5 megapixel digital camera with geotagging, Juno 3D handheld has added LED Flash
- Bluetooth® v2.0 wireless technology
- 802.11b/g + WAPI wireless LAN
- 3.5 inch QVGA sunlight-readable color touch screen
- Long-life, rechargeable, and removable Li-Ion battery
- 800 MHz processor
- 256 MB RAM
- 2 GB flash memory
- 1 microSD (microSDHC compatible) memory card slot
- Integrated speaker and microphone
- Windows® Embedded Handheld 6.5 Professional in Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Russian, or Spanish

### GPS

- High-sensitivity GPS/SBAS<sup>1</sup> receiver and antenna

### Standard Software

- Adobe Reader
- Juno 3D only: Microsoft® Office Mobile®, includes Excel Mobile, Word Mobile, Internet Explorer Mobile, Outlook Mobile, and PowerPoint Mobile

### Standard Accessories

- USB data cable
- Wrist lanyard
- International AC power supply
- Stylus with lanyard
- Rechargeable Li-ion battery

## OPTIONAL FEATURES

### Optional Software

- Trimble TerraSync™ software
- Trimble GPScorrect™ extension for Esri ArcPad software
- Trimble GPS Pathfinder® Office software
- Trimble GPS Analyst™ extension for Esri ArcGIS for Desktop software
- Trimble GPS Controller software
- Third party NMEA-based applications, including those based on the Trimble GPS Pathfinder Field Toolkit
- Trimble TrimPix™ Pro system
- Trimble Municipal Reporter™ system<sup>2</sup>

### Optional Accessories

- Vehicle power adapter
- External battery charger
- Clear screen protectors (2-pack)
- Trimble LaserAce™ 1000 rangefinder
- Range pole bracket
- Replacement Li-Ion battery
- Replacement AC Power supply
- External GPS patch antenna
- Carry case with belt clip
- Anti-glare screen protectors (2-pack)
- Vehicle-mount
- Replacement Stylus (2-pack)

## TECHNICAL SPECIFICATIONS

### Physical

Size . . . . . 138 mm x 79 mm x 31 mm (5.43 in x 3.11 in x 1.22 in)  
 Weight . . . . . 0.31 kg (0.69 lb) with battery  
 Processor . . . . . 800 MHz Samsung processor  
 Memory . . . . . 256 MB RAM and 2 GB built-in storage  
 Battery . . . . . 3060 mAh lithium-ion, rechargeable in unit Power<sup>3</sup>  
 Low (no GPS, backlight on<sup>4</sup>) . . . . . 14 hours  
 Normal (with GPS and backlight on) . . . . . 10 hours

### Environmental

Temperature  
 Operating . . . . . -20 °C to +60 °C (-4 °F to 140 °F)  
 Storage . . . . . -40 °C to +70 °C (-40 °F to 158 °F)  
 Humidity limit . . . . . 95% RH, non-condensing  
 Drop . . . . . 1.2 m (4 ft) drop plywood over concrete  
 2 drops per 6 sides at ambient temperature 23 °C (73 °F)  
 Tumble . . . . . 100 cycles (200 drops) x 50 cm (1.64 ft), 10 cycles/minute  
 Casing . . . . . IP54

### Input/output

Expansion . . . . . microSD Card slot (microSDHC compatible)  
 Display . . . . . 8.9 cm (3.5 in) QVGA (240 x 320 pixel) resistive, sunlight readable, LED backlight  
 Audio . . . . . Built-in microphone and speaker, record and playback utilities  
 I/O . . . . . USB client v2.0 compliant  
 Radios . . . . . Bluetooth v2.0<sup>5</sup> Wi-Fi 802.11b/g rated HSPA+ 3.75G cellular (data and voice, Juno 3D only)<sup>6</sup>  
 Digital camera . . . . . 5 megapixel color camera with autofocus JPEG photo format, WMV video format, flash (Juno 3D only)

### GPS

Channels . . . . . 12 (L1 code only)  
 Integrated real-time . . . . . SBAS<sup>1</sup>  
 Update rate . . . . . 1 Hz  
 Time to first fix . . . . . 30 seconds (typical)  
 Protocols . . . . . SiRF, NMEA-0183

### Accuracy (HRMS)<sup>7</sup> after differential correction

Code postprocessed<sup>8</sup> . . . . . 1–3 m  
 Real-time (SBAS<sup>1</sup>) . . . . . 2–5 m

<sup>1</sup> SBAS (Satellite Based Augmentation System). Includes WAAS (Wide Area Augmentation System) available in North America only, EGNOS (European Geostationary Navigation Overlay System) available in Europe only, and MSAS available in Japan only.

<sup>2</sup> Internet access required for Municipal Reporter system workflows.

<sup>3</sup> Using wireless technology, such as Bluetooth or wireless LAN will consume additional battery power.

<sup>4</sup> Backlight setting at 70% brightness.

<sup>5</sup> Bluetooth and wireless LAN type approvals are country specific. Trimble Juno series handhelds have Bluetooth and wireless LAN approval in the USA and EU. For other countries please consult your local Reseller.

<sup>6</sup> Tri-Band UMTS/HSDPA; Quad-Band GSM/GPRS/EDGE. The Trimble Juno 3D handheld is PTCRB certified and can operate on any of these networks that do not require carrier certification. Consult with your local reseller for more information.

<sup>7</sup> Horizontal Root Mean Squared accuracy. Requires data to be collected using vertical mounting, minimum of 4 satellites, PDOP mask at 99, SNR mask at 12 dBHz, elevation mask at 5 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Accuracy varies with proximity to base station by +1 ppm for postprocessing.

<sup>8</sup> Requires Trimble DeltaPhase™ technology, as supported in the Trimble GPS Pathfinder Office software version 4.20 or later, or the Trimble GPS Analyst extension for Esri ArcGIS for Desktop software version 2.20 or later.

Specifications subject to change without notice.

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