



Rapidly capture critical geospatial information safely and carefully from a remote location. Verify positional data with a geo-tagged image complete with cross-hairs indication. Complete your field data capture efforts with the most advanced integrated data collection device available today.

#### UNEQUALLED INTELLIGENCE

Surveylab's new *ike1000*<sup>™</sup> integrates GPS positioning with a rangefinder, 3D compass instruments, and a digital camera to produce this sophisticated handheld GPS data collector. The user simply needs to point, aim, and capture to instantly acquire geo-referenced images and target location data.

#### SAFETY FIRST, ALWAYS

*ike1000* allows field staff to remain safe and protected at all times. From up to 1,000 meters away, users capture valuable geospatial and imagery data without any risk to themselves or their co-workers. In many applications, *ike1000* can minimize insurance expenses or (in some cases) can save lives!

#### SPEED, SAVING TIME AND MONEY

*ike1000* allows simple integration with data capture applications like ArcPad<sup>™</sup>, providing the most effective and efficient means to capture geospatial data and imagery. Complex procedures are refined, making field time more valuable, and reducing the time to assimilate field data to GIS systems.

#### ACCESS, NOW

Red tape or fences barring the way? Simple. *ike1000* lets users capture geospatial information where outmoded data capture techniques just don't work! If your staff can't access a site, *ike1000* can access it for them!

#### UNCOMPROMISING TECHNOLOGY

*ike1000* is exceptionally rugged and rated to IP67 and MIL-STD-810. Featuring an extremely quick and sensitive GPS for significantly improved performance in obstructed environments, *ike1000* also provides unparalleled long-range accuracy with state-of-the-art rangefinder and compass.

#### 3D PHOTOGRAMMETRY

Accurately measure the dimensions, area, and volume of remote objects. Create rapid 3D models of buildings and surfaces with direct import into Google SketchUp and Google Earth.

*ikeGPS* products make data capture quicker, safer and more reliable. Contact Surveylab today to find out how the new *ike1000* minimizes time, risk, inconvenience, and cost!



## SPECIFICATIONS

### GPS

Accuracy	Sub-meter with SBAS < 1.5m HRMS autonomous
Channels	16, L1 frequency, C/A Code
Acquisition time	< 35 s, cold/warm start < 5 s, hot start

### LASER

Range	<table border="1"><thead><tr><th>ike100</th><th>ike300</th><th>ike1000</th></tr></thead><tbody><tr><td>100 m</td><td>300 m</td><td>1000 m</td></tr></tbody></table>	ike100	ike300	ike1000	100 m	300 m	1000 m
ike100	ike300	ike1000					
100 m	300 m	1000 m					
Accuracy	± 0.3 m (< 300 m) ± 1.0 m (> 300 m)						
Eye Safety	Safe to the naked eye over all distances						
Class	Class 1M (FDA 21 CFR 1040.10 and IEC60825-1:2001)						

### 3D COMPASS

Azimuth accuracy	< 1.0° RMS at horizontal, 0.1° resolution
Inclination range	± 90°
Magnetic declination	Automatic real-time compensation

### CAMERA

Resolution	<table border="1"><thead><tr><th>ike100</th><th>ike300</th><th>ike1000</th></tr></thead><tbody><tr><td>3.2 megapixel</td><td>5.0 megapixel</td><td>5.0 megapixel</td></tr></tbody></table>	ike100	ike300	ike1000	3.2 megapixel	5.0 megapixel	5.0 megapixel
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3.2 megapixel	5.0 megapixel	5.0 megapixel					
Zoom	Digital, 10x						
Cross-hair	High-contrast target indicator with marker overlaid on captured image						

### COMPUTER

Processor	Intel PXA270 - 520 MHz
RAM/ROM	128 MB/512 MB
Operating System	Windows Mobile® 6.1
Display	High-vis backlit transfective with touchscreen
Display size/resolution	3.5" (89 mm)/240 x 320 pixels
User storage	SD or SDHC card
I/O connection	USB client (mini), USB host (mini), 9-pin serial, Bluetooth

### SOFTWARE

IkeCapture	1-step capture of remote image and geospatial data Data stored in image EXIF 2.2 header and CSV database
ArcPad Extension	IkeCapture extension for ArcPad Integration Seamless remote data capture within ArcPad
SDK	IkeCapture development kit for embedded applications suitable for Windows mobile with C#, Windows .NET, Visual Basic, etc (Contact Surveylab for more information)

### PHYSICAL

Battery	14 W LI-Ion, field changeable, 8 hours typical
Construction	Magnesium alloy and aluminium internal chassis
Weight	< 1 kg (< 35 oz)
Size	11 x 4.3 x 2.4" (280 x 110 x 60 mm)

### ENVIRONMENTAL

Shock	1 m drop onto concrete
Ingress	IP 67, MIL-STD-810F
Operating temp	-10 to +50°C (14 to 122°F)

Specifications subject to change without notice.

### OPTIONAL ACCESSORIES

- Canvas protective holster (Softcase)
- Plastic carry-case for ikeGPS, cables and accessories (Hardcase)
- External GPS patch antenna
- Non-magnetic tripod or monopole
- Screen protectors
- Vehicle charger, travel charger and spare batteries
- Spare stylus
- Service and support plans

