

Precision GPS

Archer Longbow™

Remote Positioning GPS Handheld



archer
LONG BOW

Use Archer Longbow when rapid, safe capture of geospatial information is required. Simply aim, shoot, and record a target's position and distance along with a verifiable digital image.

All-in-One Geospatial Field Solution

The Longbow combines an Archer Field PC®, GPS receiver, 3D compass, digital camera and laser rangefinder resulting in a rugged all-in-one GIS field tool. Depend on it to quickly capture position and distance along with a verifiable image of the target from a safe distance.



When Speed and Safety Matter

Archer Longbow captures verifiable field GIS data rapidly and safely. It is fast, long-range, tough, small, light and accurate. Longbow's innovative "point and shoot" laser GPS technology allows field users to remotely capture positional data for any target up to 1000 meters distant, keeping the user safe and boosting efficiency by significantly reducing field time.

Easy to Use

Simply point the Archer Longbow at a target up to a kilometer away, push a button to capture the target's GPS coordinate plus a picture of the target. The Archer Longbow records a verifiable, precise geo-tagged digital image with crosshairs

along with descriptive information superimposed on the target's image. These data are immediately available for mobile GIS such as ESRI ArcPad® 8.0, or user application programs.

Applications Abound

The Longbow is available in three models to fit your image resolution and long-distance targeting needs. The laser rangefinder is available in 100 meters, 300 meters and 1,000 meters versions.

Applications abound in situations where targets are difficult to reach or safety is a concern including: asset management, research, insurance assessment, environmental work, disaster relief, and military engineering. Use it in your agency or industry to improve your mobile GIS productivity.

➤ Features

- Capture accurate differential GPS positions
- Record multiple laser offset 3-D GPS positions up to 1000 meters
- Embed position information with digital image
- Rely on robust rugged all-in-one design
- Integrate with mobile GIS software and applications



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Product Specifications

Models

AR-LB100	Archer Longbow 100 meter with 3MP camera
AR-LB300	Archer Longbow 300 meter with 5MP camera
AR-LB1000	Archer Longbow 1000 meter with 5MP camera

GPS*

GPS (S/A off)	2-5 meters
WAAS	2 meters
DGPS (RTCM)	2 meters

* Depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity.

Laser Rangefinder

Accuracy	+/- 0.5m
Eye Safety	Class 1

Compass

Heading Accuracy	+/- 0.5 degrees
Tilt	0 to 90 degrees

Camera

Resolution	3.2MP (LB100) / 5MP (LB300/LB1000)
Zoom	Digital, 30x, zoomed image saved
File Format	jpeg

Computer

Archer Field PC: 520 Mhz Processor / 128MB RAM / 512MB Storage / Bluetooth 2.0 Class 1 / Windows Mobile 6.1 / [Click for Archer Specifications](#)

Battery	3900mAh Sealed Lithium-Ion 6-8 hours typical use
Ports	RS-232 9-pin serial

Environmental

Water and Dust	IP66 MIL-STD 810F submerged for 30 minutes at 0.5 meters
Drop	1 meter to concrete
Weight	< 2 lbs / 1kg
Construction	Metal Alloy/Xenoy housing with elastomer protective surface

Software sold separately

To order or request more information, contact:

Sales: sales@junipersys.com
Website: www.junipersys.com
Telephone: 435.753.1881
Fax: 435.753.1896

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Archer Longbow Components

1. Daylight readable touchscreen
2. SD memory card door
3. GPS antenna
4. Rangefinder/compass/camera module

The Archer Longbow system is a fully rugged (IP66) image and GPS position capture device powered by ikeGPS™ technology.

