

LiDAR data acquisition concept.

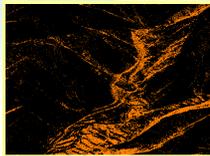
## Reliable Data Processing

Original LiDAR data consists of various kind of returns (bare earth, builds, trees ...). Then data classification is one of the important process for positional / thematic accuracy. Our patented visualization method, **Red Relief Image Map**<sup>\*3</sup>, makes data error checking easy. Final terrain data of **LASER BIRD** are nearly error free.

### Point Cloud

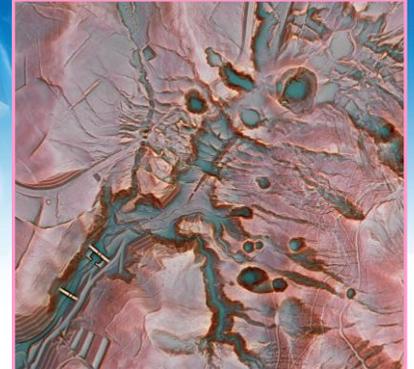


Original LiDAR data



Bare Earth

### Red Relief Image Map



\*3: Red Relief Image Map is protected by patent 3670274 in Japan and 285852 in Republic of China (Taiwan). Patent pending in U.S. 10/533,675, and People's Republic of China.

## Laser Bird Specifications

Model	ALTM3100	ALS50 II	ALS60	Harrier56
Pulse Repetition Rate (max)	100kHz	150kHz	200kHz	240kHz
Max Scan Rate	70Hz	90Hz	90Hz	160Hz
Operating Altitude	80~3,500m	200~6,000 m	200~5,000 m	30~1,000 m
Number of Returns	1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> ,last	1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> ,last	1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> ,last	1 <sup>st</sup> ,2 <sup>nd</sup> ~7 <sup>th</sup>
Scan Angle (max)	50°	75°	75°	60°
Laser Safety	Class 4	Class 4	Class 4	Class 1



**LandViewer** is a cutting edge technology software that allows users to overlay various kind of images (aerial photos, satellite images) and GIS data onto 3D high resolution terrain data. **LandViewer** has various functions to manipulate 3D view in interactive manner – indispensable tool for 3D data visualization.

### Supported data

- DEM (digital elevation model)
- Raster image (Aerial photo, satellite image, topographic map, etc.)
- 3D model data
- GIS Vector data

### System requirements

CPU:	Intel® Pentium® 4 or higher
Memory:	1GB RAM or greater
Graphic cards:	NVIDIA Quadro FX series 128MB or more
Display:	1024 X 768
OS:	Windows 2000, XP



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