

# Multi-functional 3D Laser Scanner

GLS-2200



# Complete Solution

## GLS-2200

### Capture reality on your terms

The GLS-2200 scanners consist of three comparable yet distinct models: the GLS-2200S (short-range), GLS-2200M (medium-range), and GLS-2200L (long-range). Each model is a full-featured scanner that can be effectively deployed to capture existing, as-built conditions based on the measurement range requirements of the application. The innovative capabilities of the GLS-2200 combined with its rugged field design, provide users with a purposeful solution that will stand up to the most extreme work environments.

### Versatile and adaptable

The GLS-2200 offers quick, simple and effective ways of capturing 3D point cloud data at high speed without sacrificing the accuracy desired by today's demanding professionals. With one-button to start scanning, on-board enabled occupation, and backsight orientation features, along with MAGNET<sup>®</sup> Collage software – the GLS-2200 portfolio provides a solution suited to any industry professional wanting the most value from their scanning investment.

### Dual cameras – wide-angle and zoom

Equipped with dual 5 megapixel cameras, including a 170° wide-angle camera that obtains images at high speed and an 8.9° telephoto camera that is coaxial with the measuring axis, the GLS-2200 is ready to capture every detail.

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**Fast, precise scanning**

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**Full dome field-of-view (FOV)**

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**World's first – direct height measurement**

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**Surveyor-style backsight orientation**

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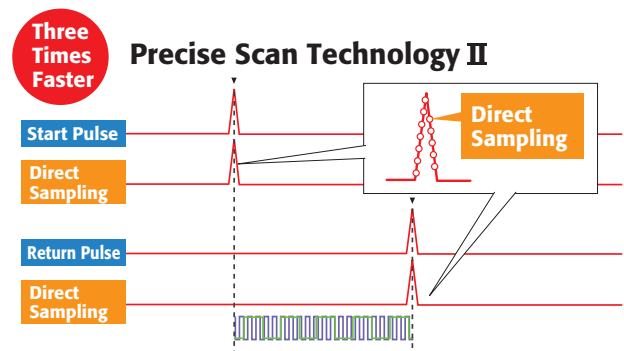




- 1 Built-in Wi-Fi
- 2 Rotating laser
- 3 Internal cameras
- 4 On-board one-touch scanning
- 5 On-board batteries
- 6 SD card slot
- 7 Standard Topcon tribrach

### Precise Scan Technology II

With three times faster (time-of-flight) pulse signals than previous GLS models, the GLS-2200 produces a clear signal waveform for more precise signal processing. Employing an ultra-high-speed ADC (analog-digital converter) along with a direct sampling technique, Precise Scan Technology II enables signal extraction resulting in reduced noise and high-accuracy data.





## Dynamic Digital Workflows

### MAGNET Collage and MAGNET Collage Web

A powerful, yet simple way to process and combine mass data sets in one software environment, MAGNET Collage makes it easy to manage your point cloud data. MAGNET Collage Web is a web service for sharing and collaborating with 3D point clouds.

### Processing point cloud data

After field work is complete, MAGNET Collage supports importing, viewing, and cleaning of collected point cloud data – providing multiple tools for registering, then geo-referencing scans to survey control.

### Extracting objects

Tools for creating and editing objects such as polylines, meshes, edges, and planes are easily accessed. The region selection tool is especially useful for isolating surfaces such as roadways and building walls, floors, and ceilings.

### Export to industry applications

Exporting clouds or objects to third-party design and analysis applications is simple. Topcon offers seamless workflows with third-party software.



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