



GLS-2000

FORENSIC SCENE INVESTIGATION
AND RECONSTRUCTIONIST SOLUTION



Forensic Scene Investigation and Reconstructionist Solution

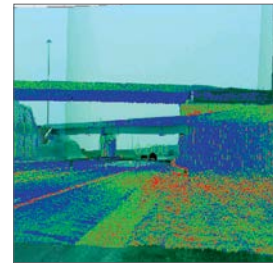


- Customizable 3D scanning
- Highest quality point clouds with lowest noise
- Full-dome scanning range
- Intuitive on-board software
- Easy and accurate registration methods

System Performance			
Maximum range at specified reflectivity			
Standard Mode	350 m	at 90%	
High Speed Mode	210 m	at 90%	
Low Speed Mode	210 m	at 90%	
Single Point Accuracy			
Distance	3.5 mm (1-150 m), 1Σ		
Angle	6"		
Tilt Sensor			
Type	Liquid 2-axis tilt sensor		
Range	+/- 6'		
Target Detection Accuracy	3" at 50 m		
Laser Scanning System			
Type	Pulse (time of flight); Precise Scan Tech II		
Laser Class	3R (High Speed / Standard) 1M (Low Power)		
Scan Rate (High Speed)	Up to 120,000 pts/sec		
Spot Size	4 mm at 20 m (FWHM)		
Scan Time and Resolution (pre-set intervals at 10 m)			
Interval	High Speed	Standard	Low Power
50 mm	00:20	00:40	00:34
25 mm	00:53	01:47	01:07
12.5 mm	01:49	03:37	11:56
6.3 mm	07:44	26:44	33:59
3.1 mm	58:29	1:17:44	1:28:34
Field of View (per scan)	360° (H) / 270° (V)		
Color Digital Imaging			
Wide-angle	170° Diagonal		
Telephoto	11.9° (H) / 8.9° (V)		
Scanning Control			
Control System	On-board		
Display	3.5 in. touch-screen		
Data Storage	SD Card (Class 6 or higher)		
Physical and Environmental			
Operation Temperature	-5°C to 45°C		
Storage Temperature	-20°C to 60°C		
Dust/Water Rating	IP54		
Weight	11 kg with batteries and tribrach		

Processing point cloud data

Topcon's graphical ScanMaster software supports importing, viewing, and processing of collected point cloud data. An intuitive full solution providing multiple time-saving tools for registering and geo-referencing.



Extracting objects

Tools for creating and editing objects such as polylines, meshes, edges, and planes are easily accessed. The selection tools are especially useful for isolating individual pieces of evidence such as gouges, tire marks, bullet impacts or tool marks.



Export to industry applications

Export point cloud data or objects to third-party industry applications using common .PTS file format, or the compact Topcon .CL3 format, making workflows more efficient.



For more information:
topconpositioning.com/gls-2000

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