

# GTL-1200



## GTL Scanning Robotic Total Station

A versatile Scanning Robotic Total Station that delivers advanced BIM workflows for the 3D professional. The GTL-1200 provides ultra-powerful, full-dome scanning for survey-grade georeferenced 3D modeling. It's ready for even the most demanding jobs, with a casing that's waterproof and dustproof. MAGNET® Field software is onboard for intuitive operation with increased productivity.

### FEATURES

- Combined laser scanner and high-resolution camera
- Powerful EDM
- IP54 Rating
- Bluetooth® / WLAN
- Laser plummet (Optional)
- On-board and removable data storage

Specifications subject to change without notice.  
© 2022 Topcon Corporation. All rights reserved.  
7010-2366 A 01/22

[www.topconpositioning.com/gtl-1200](http://www.topconpositioning.com/gtl-1200)

SCANNING	
Method, Source, Class	Pulse(TOF), 870nm, Class1
Beam Spot Size, Divergence	60 x 27 mm at 30 m
Accuracy   Dist., Ang., Pt	16 mm at 30 m, Sigma 30", 10 mm at 30 m
Precision / Noise	5 mm at 10 m
Range (KGC 90%)	0.6 - 70 m
FOV	360° x 270° (H x V)
Scan Speed	200 KHz (200,000 points per second)
IMAGING	
Tele	5 megapixel, 60°(Diagonal)
Wide / Panorama	5 megapixel, 135°
TILT	
Range, Accuracy, Resolution	±6', ±4", 1"
PLUMMET	
Method, Accuracy, Spot size	Optical/Laser(OP), 1.5 mm at 1.5 m, 2.5 mm at 1.5 m
Height Sensor	N/A
Plummet Camera	N/A
TOTAL STATION	
EDM, Track / Aim	1000 m (NP), 800 m
COMMUNICATION	
Serial Communication	RC232C / USB2.0
Wireless communication	Bluetooth® Class 1 / WLAN
DATA STORAGE	
Internal, External	1GB, SD (for Scan) / USB
DISPLAY	
Display, Key	4.3 inch VGA w/TP, 24 Keys + 2 Keys
SPECIFICATIONS	
(P)Plate, (C)Circular level (w/o tribrach)	(C) 10'2 mm (Optional)
GUIDE LIGHT	
Guide Light, Laser pointer	5.0 - 150 m, Class 2 Laser (Optional)
ENVIRONMENTAL	
Water proof, Operating Temp	IP54, -10°C to 50°C
Battery	Li-ion 7.2V / 5.2Ah
Weight (Main + Battery), Size (H x W x D)	7.3 kg, 430 x 190 x 230 mm

