



GLS-2200

Long Range, Highly Accurate Laser Scanning at an Affordable Price



Ultra-Long Range,
Up to 500 meters



High Intensity Setting
for Wet Surfaces



Specially Tuned for
Roads and Slabs



Best Value Scanner
on the Market

The GLS-2000 is a rugged long-range laser scanner that offers 4X the range and 4X the resolution of competing solutions, and a variety of features optimized for transformative construction QA workflows.

GLS-2200 Product Specifications

DISTANCE ^{*1}	SHORT	MIDDLE	LONG
90% reflectivity	1 - 130 meters	1 - 350 meters	1 - 500 meters

SCANNING MODULE

Scan mode ^{*2}	Detail	High Speed	Low Power	Standard
Scan data rate (Maximum points per second)	120,000	120,000	48,000	60,000
Laser Class	Class 3R		Class 1	Class 3R

Scanning Density (Resolving Power)

Spot Size (FWHM)	$\varnothing \leq 4$ mm 1 to 20 m	$\varnothing \leq 11$ mm 1 to 150 m
------------------	--------------------------------------	--

Point Increment Minimum 3.1 mm (At 10 m)

Maximum Point Number V: 15,202 PV/Line (270°)
H: 20,268 Pt/Line (360°)

Field of View V: 270° / H: 360°

Angle Accuracy H: 6" / V: 6"

Distance Accuracy	3.1 mm (σ) At 1 to 90 m	3.1 mm (σ) At 1 to 110 m	3.7 mm (σ) At 1 to 110 m	3.1 mm (σ) At 1 to 150 m
-------------------	-------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------

Surface Accuracy 1.0 mm (σ)^{*3}
At 1 to 90 m At 1 to 110 m At 1 to 110 m At 1 to 150 m

*1 It will be different depending on the condition.

*2 Specification of Close Scan mode is listed inside the catalog.

*3 When the smoothing function is used for MAGNET Collage Ver 2.3 or later.

GLS-2200 Product Specifications

HEIGHT MEASUREMENT

Measuring Range	0.3 to 2.0 m
Measuring Accuracy	3.0 mm (Req. Special Target)

CAMERA

Field Angle	Wide: Diagonal 170° Tele.: 8.9°(M) x 11.99°(H)
Number of Pixels	Both Wide and Tele. 5 megapixels
HDR	Yes

TILT SENSOR

Type	Liquid 2-axis tilt-sensor
Compensation Range	±6'

DISPLAY UNIT

Type	TET-LCD 3.5 VGA with touch-panel
------	----------------------------------

OTHERS

Laser Plummet	Spot Size Ø 1 mm (1 m) / Ø 4 mm (1.5 m)
Imaging Plummet	Magnification range 1 m

INTERFACE

Card Slot	SD card (SDHC Class 6 or higher)
-----------	----------------------------------

POWER SUPPLY

Internal Battery	BDC72
Capacity	5,240 mAh / 1 pce x 4 pcs
Nominal Voltage	7.4 V / 1 pce x pcs
Working Duration	2.5 hours (4 pcs continuous scanning)

APPEARANCE

Dimension (W x dx h)	293 x228 x 390 mm (with handle and base)
Instrument Height	226 mm (from top of base to center of miller)
Weight	10 kg (include base and batter)

CONDITION

Operating Temperature	-5 to 45 ° C
Storage Temperature	-20 to 60 ° C
Water and Dust Resistance	IP54 (JIS C0920, IEC 60529)

CLEAREDGE^{3D}

≡ TALK TO ONE OF OUR EXPERTS ≡

sales@clearedge3d.com | USA: + 1 866-944-8210 | clearedge3d.com