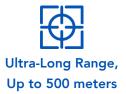


GLS-2200

Long Range, Highly Accurate Laser Scanning at an Affordable Price









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		MID	DLE	LONG
90% reflectivity	1 - 130 meters		1 - 350 meters		1 - 500 meters
SCANNING MOD	DULE				
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	Clas	lass 3R Class 1		Class 3R	
Scanning Density (Resolving Power)					
Spot Size (FWHM)	Ø ≤ 4 mm 1 to 20 m	Ø ≤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 (ơ) : 1 to 110 m	3.7 mm (ơ) At 1 to 110 m	3.1 mm (σ) At 1 to 150 m
Surface Accuracy	A+ 1 += 00 ···	^		nm (σ)*3	A+ 1+= 1F0 ==
	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

Туре	Liquid 2-axis tilt-sensor
Compensation Range	±6′

DISPLAY UNIT

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Туре	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 × 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 × 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)



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