Technical features X300

PERFORMANCE

Range		1.6 – 300 m, 100% reflectivity (on white)
Field of view		
	Horizontal	360° (full panoramic)
	Vertical	90° (-25° to +65°)
Scan rate		Up to 40000 points/sec
Laser Beam Divergence		0.37 mrad
Grid spacing		39 mm x 39 mm @ 100 m
Angular resolution		1.35' (H) x 1.35' (V) (at max resolution)
Range accuracy		< 6 mm @ 50 m – (1 sigma) < 40 mm @ 300 m

SYSTEM

Scanning optics	Vertically rotating mirror, horizontally rotating base
Laser Class	Class 1M (IEC 60825-1)
Laser wavelenght	905 nm (invisible)
Dual-axis compensator	Accuracy 0.08°, Range +/- 20°
Integrated cameras	5 + 5 megapixels
Resolution	120MB over 360°
Data storage	Integrated 32Gb memory
Data transfer	Wi-Fi, USB device, Ethernet
Scanner control	Dedicated Wi-Fi web interface for smartphone/tablet (Android, iOS and Windows Mobile)

Scanner

	Size (D x W x H)	215 mm x 170 mm x 430 mm
	Weight	6.15 kg/12.35 lbs (without battery)

Battery

	Size (D x W x H)	42 mm x 165 mm x 120 mm 0.85 kg /
	Weight	1.76 lbs

AC Power Supply

	Size (D x W x H)	147 mm x 63 mm x 38 mm
	Weight	200 g / 0.441 lbs

ELECTRICAL

Power supply	12 V (battery or external power unit)
Power consumption	40 W (on average)
Battery type	Li-Poly
Operation	> 3 h

ENVIRONMENTAL

Operating temp.	-10°C to +50°C / 14°F to 122°F
Storage temp.	-25°C to +80°C / -13°F to 176°F
Humidity	Non-condensing
Protection class	IP65