

XR Projector

Data sheet



The flagship XR Projector™ delivers consistent accuracy and productive visual workflow to your layout operations. From floors to ceilings, its unique positioning technology offer the best-in-class visual projection adaptable to any type of job site. Combined with its remote tablet, and its web application, the XR Projector™ embraces your existing workflow from BIM application to standard projects.

Benefits

- 3x to 10x faster production rate
- Remove the need for marking layout
- Achieve millimetric accuracy
- Simple to operate, requires only a 1-hour training
- Gather quantitative data from your projects

Key Features

- Perform 2D & 3D projections on floors, walls, and ceiling
- Display points, lines, text, and arcs within seconds
- Layer-based projection
- High-precision tilt sensors
- Adapt CAD designs in the field
- Capture 3D point cloud of your environment
- Cutting-edge audience safety system
- Simple graphical interface
- Connected to the internet (4G/LTE)
- Compact and portable

XR Projector

Angular Measurement

Accuracy Hz and V	► Resolution	0.0014° (1") horizontal; 0.0014° (1") vertical
	► Repeatability	0.002° (7.2")
Angular Speed		Up to 10°/sec
Tilt Sensor	► Operating Range	±1°
	► Resolution	≤0.001° (3.6 arcseconds)
	► Repeatability	±0.001° (3.6 arcseconds)

EDM Scanning

Laser Class / Wavelength		Class 2 / 655 nm - ToF (red)
Range / Accuracy	► Natural Surface	1 m to 50 m (3' to 164') / ± 1 mm (± 0.03")
Laser Dot Size	► Perpendicular at 30 m	9 mm x 17 mm (elliptic)
Measurement Frequency		20Hz

Laser Projection

Projection Range		1.3 m to 8.9 m (4.2' to 29')
Angular Field of View		52.6° Az x 52.6° El
Projection Geometry	► Area / Volume	195.75 m² / 2144.66 m³
Laser Class / Wavelength		Class 3R / 520nm - CW (green)
Laser Dot Size	► Perpendicular at 8 m	Approx. 2.1mm x 2.1mm (circular)
Pointing Stability		<1.67 urad/°C

Safety

Proximity Sensor	► Detection Range / FOV	0.02m to 1.3m / ± 30°
	► Response Time	60 Hz

General Specifications

Power Management		85 ~ 264 VAC 50/60 Hz
Projector Weight		11 kg
Operating Temperatures		0°C to +50°C / Performance may diminish below 0°C
Network Connectivity		4G/LTE
Wireless Communication	► Wi-Fi	2.4 GHz - 5GHz / Wi-Fi IEEE 802.11ac
	► Bluetooth	Bluetooth 4.1
Complies with		CSA.C22.2 NO.61010-1
		UL 61010-1
		IEC 61010-1
		EN 55011:2016, FCC15, ICES-003
		EN 61326-1
		IEC 60825-1 ANSI Z136.1
		CB Scheme for national differences
		2011/65/EU-RoHS