Trimble TX8



share BIM models or CAD files in a fraction of the time it might take with other image analysis tools.

Using Trimble's patented Lightning technology, the Trimble TX8 can measure one million points per second while capturing With its eye-safe Class 1 non-visible laser, precise data over its full measurement range, the Trimble TX8 is safe to use even in busy Less susceptible to variation in surface types public places. The Trimble TX8 features a and atmospheric conditions, you can capture rugged design, IP54 environmental rating, complete datasets from each station.

HIGH PERFORMANCE foR DEMAnDIng BIM **APPLICATIONS**

The Trimble TX8 is ideal for capturing detailed scans of existing site conditions. Making high-speed measurements without compromising range or precision, the Trimble TX8 delivers high-density 3D point clouds

needed to develop accurate

models of the job site. The Trimble TX8 provides a 360 degree x 317 degree field of view and captures data at one million points per second with a typical scan time of only 3 minutes. The Trimble TX8 maintains its high precision over its entire range of 120 m and is available

with an optional upgrade extending the range to an impressive 340 m.

scanning make data capture easy and efficient. The intuitive onboard software lets you quickly manage scan resolution and define scan areas. Because you capture only the data you need, you'll save time in the field and office.

protected mirror and ability to capture data in bright sunlight.

Designed for mobility, the Trimble TX8 weighs just 24 lb (11 kg) and is powered by lightweight, long-life lithium ion batteries. The wheeled transportation case conforms to requirements of most airlines for checked luggage which allows you to easily transport the Trimble TX8 between job locations

Ideal for Construction Projects

The Trimble TX8 is used by contractors for a wide range of jobsite applications:

- Pre-construction as-builts
- Building Information Modeling (BIM)
- Virtual Design Construction (VDC)
- Quality control during construction
- Comparing design intent to as-built conditions

With the Trimble TX8's ability to capture precise high-density 3D data combined with advanced Trimble software modeling, analysis, and data management tools, the Trimble TX8 laser scanner is the complete scanning solution for contractors.

- as-built data collection
- Increase field productivity with the fastest, high resolutio scans on the market
- **Confidence in data** accuracy, clarity and richness
- analyze and extract scanned data fast
- Intuitive and easy to operate





gEnERAL SPECIFICATIonS



100 m on very low reflectivity (5%	Power supply	. 76.mm W x 43 mm H x 130 mm D
Extended range		(3.0 in W x 1.7 in H x 5.1 in D);
Range noise <2 mm from 2 m to 120 m on 18–90% reflecti		Weight: 0.66 kg (1.46 lb)
in Standard modes <1 mm from 2 m to 80 r	n Battery dimensions 89.	.2 mm W x 20.1mm H x 149.1 mm D
on 18–90% reflectivity in High Precision mod	e	(5 13/16 in W x 3 ½ in H x ¾ in D):
Range systematic error	State of the st	0.46 kg (1 lb)

Scanning

field of view

Scan Parameters	Preview	Level 1	Level 2	Level 3	Extended ¹
Max range	120 m	120 m	120 m	120 m	340 m
Scan duration (minutes)	01:00	02:00	03:00	10:00	20:00
Point spacing at 10 m	15.1 mm				
Point spacing at 30 m		22.6 mm	11.3 mm	5.7 mm	
Point spacing at 300 m					75.4 mm
Mirror rotating speed	60 rps	60 rps	60 rps	30 rps	16 rps
number of points	8.7 Mpts	34 Mpts	138 Mpts	555 Mpts	312 Mpts

Scan time per battery. >2 hours Instrument case 500 mm W x 366 mm H x 625 mm D (19.7 in W x 14.4 in H x 24.6 in D)

EnviROnmEnTal

operating temperature range (non-condensing atmosphere) -0 °C to +40 °C (32 °f to 104 °f) Lighting conditions All indoor & outdoor conditions over entire range (no lighting limitations)

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- optional upgrade increases range to 340 m. Scan duration time is longer with High Precision scan mode. Scan duration times for Standard scan modes. Remote control requires optional Trimble TX8 USB cable Pn 23704034.

Specifications subject to change without notice



