POINT·GUN

PANOSCAN

A Breakthrough in 3D Scanning

Panoscan introduces a breakthrough in 3D scene capture. The Panoscan PointGun™ is a portable handheld 3D scanner that captures high density color point cloud data with unprecedented speed and accuracy.

The Panoscan PointGun collects up to 20 million colored 3D points per scan session and stores them on a powerful Android™ tablet. Cloud density is controlled by subject distance. Powered by Dot Product's Phi-3D App, the PointGun can save 3D data in industry standard formats such as PTX, PTS and Cyclone™ Compatible formats. The PointGun also saves in a highly compressed (lossless) DP format that fits well over 2000 scans on the Android tablet.

The PointGun includes a powerful LED lighting system for capturing color data in dark locations. And the system can operate off powerful rechargeable Makita tool batteries for up to three hours between battery swaps.

Point cloud scans captured with the PointGun can be used with most popular CAD software including The Cad Zone's Crime Zone, Crash Zone, CZ Point, 3rd Tech SceneVision,
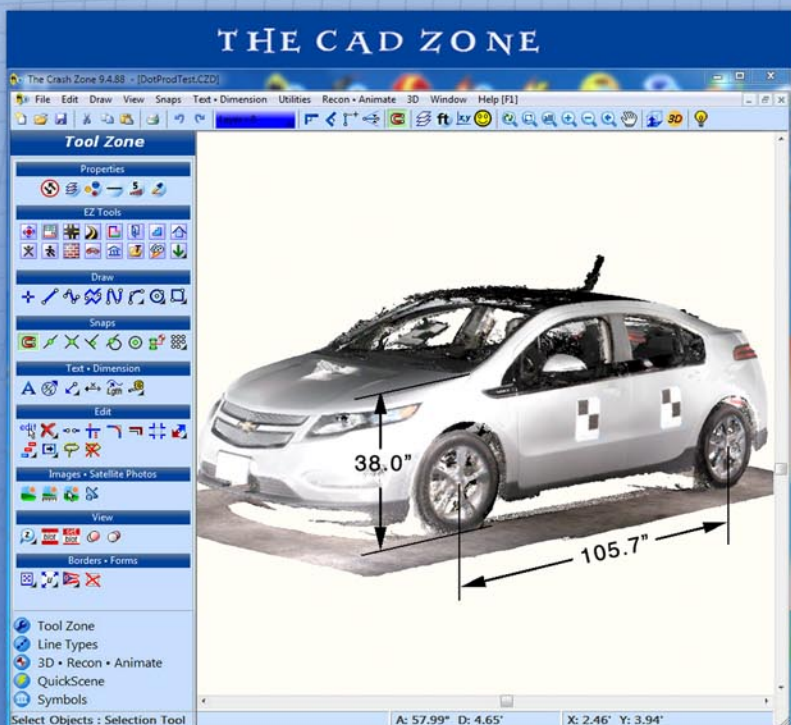
Powered By

DOT PRODUCT

ANDROID

THE CAD ZONE

38.0"

105.7"

POINT GUN

- Highly Mobile. No tripod to set up. No wires.
- All processing on tablet. No laptop needed.
- Realtime data capture and review.
- Automatic re localization and place recognition.
- Realtime marker-less camera tracking.
- Realtime occlusion maps.
- Instant colored 3D point cloud creation.
- Cloud-optimized 3D scan compression.
- Onboard LED Lighting for night scanning.
- Scans continuously for over 2 hours on a charge.
- Instant swap of Android tablet for added storage & battery.
- Instant swap of LED battery for added run time.
- Exports popular formats. Works with most CAD software.
- Accurate and fast. No scale calibration needed.
- Calibrates to Total Station Control Targets if desired.

SPECIFICATIONS:

Imager: Near infra-red structured light + RGB color camera.
Sensor Range: 2 to 12 feet.
Capture Rate: Up to 2 million points per second.
Max Number of points per session: Approx 20 million.
Horizontal FOV: 57 degrees.
Operating Temp: Approx. 55F to 92F.
Humidity Range: 0 - 99% non-condensing.
Point Density: ≤ 3.4mm at 2 meter distance.
Accuracy:

Range	Typical Accuracy (RMS)	Maximum Reported Error
2 m (6.6 ft.)	6 mm (0.2 in.)	9 mm (0.35 in.)
3.5 m (11.5 ft.)	10 mm (0.4 in.)	16 mm (0.6 in)
>3.5 m (> 11.5 ft.)	Not specified	Not specified

Tablet: 7" HD IPS LCD. Android. (Up to 1.8Ghz Quad+1 Core.)
Storage: 16gb internal + optional SD card.
Data Transfer: USB 2/3, Wifi.
Tablet Battery Life: Over 2.5 hours continuous scanning.

Output Format: Compressed .DP (Lossless)
Export Formats: PTX, PTS, Cyclone™ compatible. (X,Y,Z,I,R,G,B)
Survey Control Input Format: CSV, comma delimited text file.
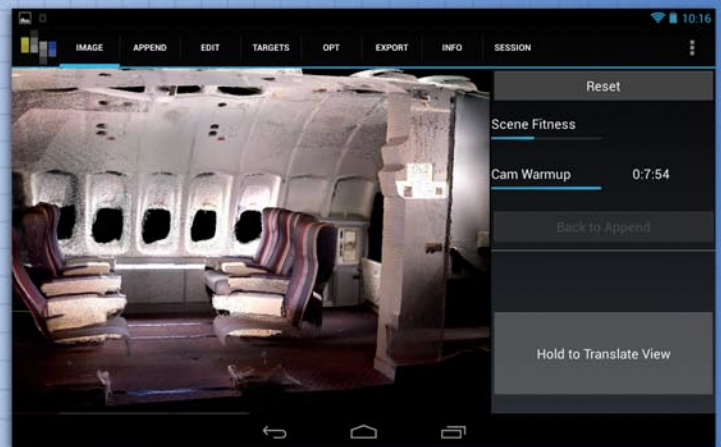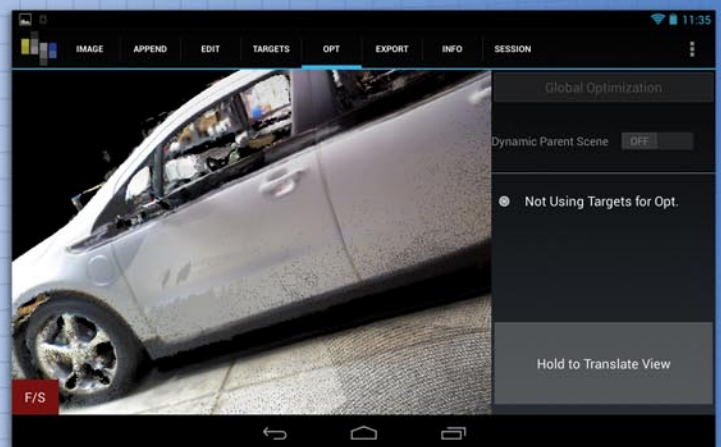
LED Light: 160 element LED panel with dimmer.
Battery: Makita LXT BL1830 (Operates scanner + LED)
Run Time: Over 3 hours continuous. (Instant Swap)
Recharge Time: 25 min.
Weight: 5lbs. (With Battery)

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