

Technical Specifications

1. Long Range Laser Scanner

- Should have integrated point cloud processing software included in the package
- Range (FOV) – Horizontal = 360deg, Vertical >270 deg
- Battery Type – In-built exchangeable battery
- Ranging Accuracy – 1 mm at 15 m or better
- Ability to capture texture : Yes
- Designed for indoor and outdoor use
- Interface: USB, SD card
- Working distance: 1 to 50 m
- Data acquisition speed: 50,000 points per second or better
- export formats:
 - Mesh, Point cloud: OBJ, PLY, WRL, STL, AOP, ASCII, BTX, PTX, E57, XYZRGB, PTX, XYZ
 - Measurements: CSV, DXF, XML
- On-site warranty of two years and above
- Vendor should physically present a sample at IIT Madras for quality inspection, if required

The following specifications are preferred:

1. Light Weight Equipment
2. Storage for > 50 setups
3. Adjustable resolution settings