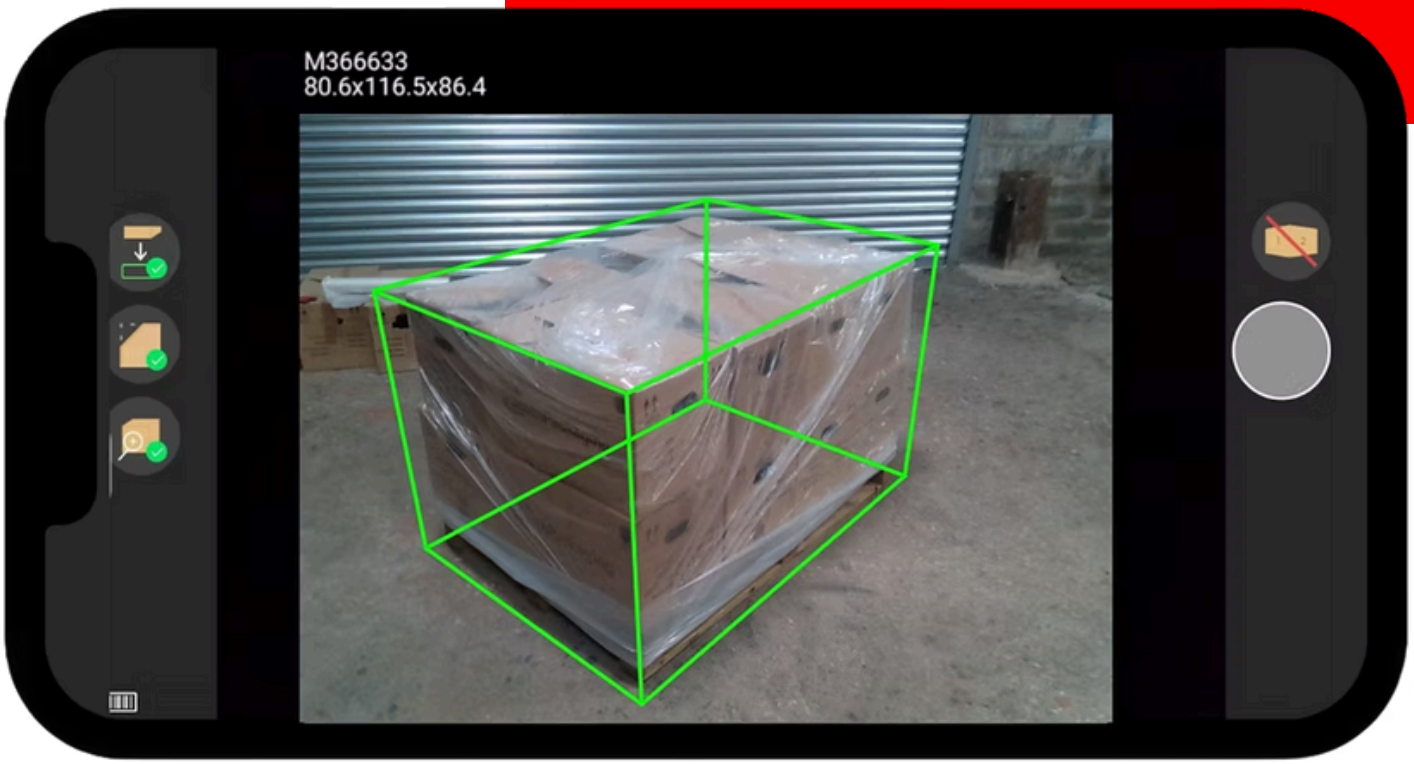
Buyers Guide: 3D Freight Measurement



Introduction to Freight Measurement

Accurately measuring freight is critical for correct pricing, optimising warehouse space, and ensuring efficient logistics operations. Traditional manual measuring can lead to inconsistencies, delays, and increased operational costs. Automated dimensioning software transforms this process—delivering speed, accuracy, and new data insights.

The Basics: Why Accurate Freight Measurement Matters

- Inaccurate measurements can lead to shipment delays, incorrect charges, and space misallocation.
- Stakeholders—shippers, carriers, and warehouse managers—need standardised, reliable data for seamless operations.
- Automation eliminates human error, improves efficiency, and drives business profitability.

Business Benefits of Automated Freight Measurement

- Time-saving: Capture more loads in less time; leads to greater throughput and revenue.
- Cost reduction: Improved shipment consolidation lowers overall costs.
- Efficiency: Case studies show up to 60% improvement in operational efficiency and up to 400% faster than manual processes.
- Customer satisfaction: More accurate, consistent pricing and fewer errors.

What Is 3D Freight Measurement Software?

This technology uses 3D cameras and advanced algorithms to capture the dimensions of consignments (length, width, height) in seconds—not minutes. GPC's software enables real-time measurement—even for irregularly shaped or shrink-wrapped freight, and works in low-light conditions.

Features	Why It Matters
Rapid, Automated Measurement	Capture measurement in under 15 seconds
Compatibility	Works with forklifts, conveyor belts, handheld devices
Measurement Flexibility	Measures multiple items at once, with or without pallets
API Integration	Connects seamlessly to warehouse management systems
Data Accuracy	Up to 95% measurement accuracy
Accessibility	Includes colour-blind mode, usable in various environments
Scalability	Suitable for different setup sizes, mobile or fixed

How GPC 3D Freight Measure Software Stands Out

- Award-winning, patented technology with proven results.
- Flexible deployment: handheld, forklift-mounted, or fixed positions.
- Reliable under low-light or busy conditions.
- Real-world results: Used by XPO Logistics (6,000 devices, 95% accuracy, 5-year contract), with significant cost and efficiency gains.
- Ongoing support and potential for integration with current and future systems.

Steps to Implementing Automated Freight Measurement

1. Review your operational needs: What types of freight and environments do you have?
2. Assess integration: Can your current systems connect via API?
3. Consider scalability: Start with one device or deploy fleet-wide.
4. Budget planning: Seek a minimum 3-year contract for both hardware and software, and use preferred suppliers if possible.
5. Request a demonstration from GPC to see real-world performance with your freight.

Take the Next Step

Automating freight measurement is a clear step towards organisational efficiency and accuracy. The next step is to contact our team and book a meeting to discuss your requirements and see how GPC's 3D Freight Measure Software can transform your operations.

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