



AUTOCUBE FIXED DIMENSIONING



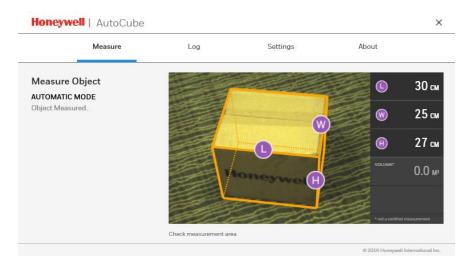
Product & Project Overview



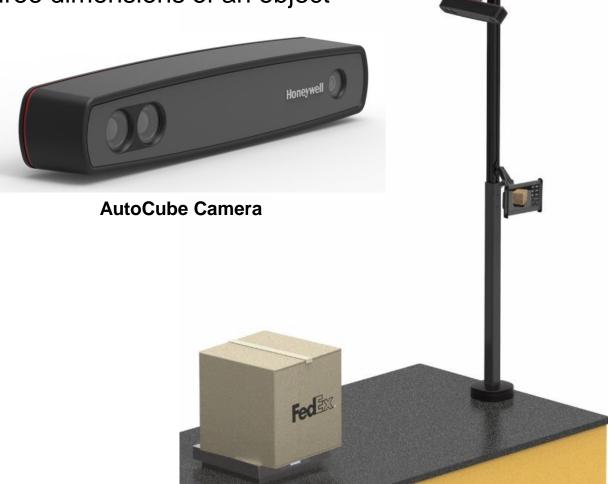
What is AutoCube?

An electronic device that instantly measures the three dimensions of an object

- Fixed device
- Mounted on a stand
- Connected to a host computing device
- Connection through a USB cable
- Software application on the host computing device



AutoCube Software Application



AutoCube Camera, Stand & Display

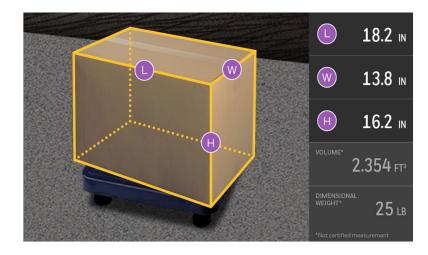


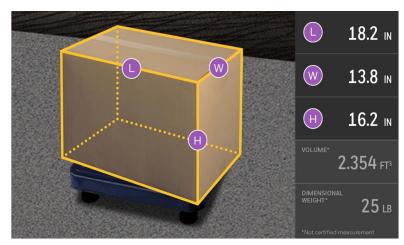
What is AutoCube?

An electronic device that instantly measures the three dimensions of an object

For rectangular objects, the length, width and height are instantly determined

For non-rectangular objects, the length, width and height of the smallest bounding box around the object are instantly determined.





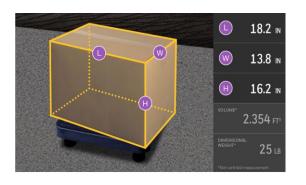


Honeywell Dimensioning Projects

AutoCube (Fixed Dimensioning)

- Dimensioning packages
- Fixed Device
- In Phase 4
- Launch in Q1 2017





Marseille (Mobile Dimensioning)

- Dimensioning pallets
- Mobile Device
- In Technology Feasibility Analysis
- Launch in Q4 2017







Customer Value Proposition



AutoCube Customer Segments

1. Package Drop Off Locations

- Primary Customer Segment
- Parcel centers (FedEx Office, UPS Store)
- Post office locations (USPS)
- Other package shipping centers









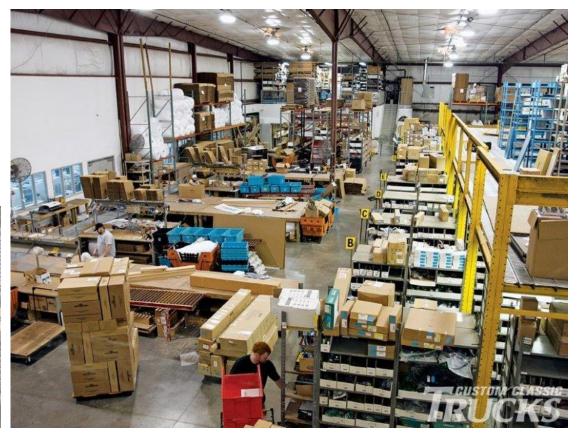
AutoCube Customer Segments

2. Warehouse Package Operations

- Secondary customer segment
- Warehouse shipping stations
- Warehouse receiving stations
- Warehouse inventory update









AutoCube Value Proposition – Summary

Package Drop Off Locations

- Accurately bill customers
- Increase productivity
- Increase customer satisfaction
- Vehicle space optimization



Warehouse Shipping Operation

- Accurately bill customers
- Increase productivity

Warehouse Receiving Operation

- Optimize workflows
- Increase productivity











Product Features & Competition



- Measurement Accuracy
 - Provide high accuracy on each of the dimensions.
 - 10mm (0.4 inches) Guaranteed
 - 5mm (0.2 inches) Typical
- Package Size Range
 - Covers large package size ranges which accounts for most of the packages seen in package drop off locations and warehouses
 - Retail (1.5m stand)
 - 6cm x 6cm x 6cm 90cm x 90cm x 90cm (5mm Accuracy)
 - 6cm x 6cm x 6cm 140cm x 100cm x 70 cm (10mm Accuracy)
 - Industrial (1.8m stand)
 - 6cm x 6cm x 6cm 110cm x 110cm x 110cm (5mm Accuracy)
 - 6cm x 6cm x 6cm − 140cm x <u>120cm</u> x 70cm (10mm Accuracy)



Type of Objects

- Regular Rectangular packages
- Irregular Non Rectangular Packages
 - Cylinders
 - Prisms
 - Polybags

Measurement Time

Packages can be measured in less than a second

Image Capture

 Images of the packages being measured are captured and stored for claim verification purposes

Certification

- AutoCube is Weights and Measures certified for different regions
 - NIST (US), OIML(Europe, ANZ, META), MID (Europe), Measurement Canada (Canada)



Temperature Range

■ -10C to 50C

Environmental Sealing

■ IP54

Interface

AutoCube connects to a customer computing platform using USB interface.

Power Supply

AutoCube is powered through the USB cable and does not require a separate power supply

Host Computing Platform

AutoCube can be connected through a USB port to a PC or laptop with Windows 7, 8 or 10 operating system or a tablet with Windows 8 or 10 operating system.

Table Mounts

 AutoCube can be mounted on a table or counter using a 1.5m high table mount (ideal for courier customers) or a 1.8m high table mount (ideal for warehouse customers)



Usage Modes

Automatic

AutoCube can be used in the automatic mode where the packages are measured as soon as a package is placed in the field of view

User Controlled

AutoCube can be used in the user controlled mode where the packages are measured as soon as the user presses the 'measure' button on the software application.

Integration Modes

Standalone

In this mode, AutoCube usage is controlled by Honeywell application and the measurement results are displayed in the Honeywell application.

Full Integration

In this mode, API and SDK is available for the customer application to fully control and get the results from AutoCube. The API is offered in C++, C# and Java.

Mixed Mode

In this mode, Honeywell application is used to control AutoCube, and the results are displayed in the Honeywell application as well as transferred to the customer application. Honeywel

AutoCube Competition - Tape Measure

AutoCube Advantages

- Higher Accuracy
- Faster Measurement
- Images for claim verification
- Certified For Trade

Tape Measure Advantages

Lower Price

