iDimension® LTL

3D Freight Imaging System

Efficient Imaging with Pallet Dimensioning System

The iDimension LTL uses advanced sensing technology to accurately determine the cubic dimensions of freight. Its ability to capture NTEP Certified dimensions helps ensure freight code compliance and deters revenue-loss from miscalculated dimensions.

The iDimension LTL is ideal for LTL carriers and shipping departments with a high percentage of product shipped via pallet or crate. It removes the potential for human error and the extra labor of manually determining cubic dimensions by accurately capturing freight dimensions.

Enhanced Images

Up to two cameras can be added to provide images of the freight for visual verification of the freight's condition at the time of measurement. Images can include dimensions and a time & date stamp.

360° Design

With no moving parts and a solid-state design, maintenance of the iDimension LTL is virtually non-existent. The ceiling mounted system offers 360-degree access for easy pallet placement within the 8 × 8 foot target area. Its advanced imaging technology dimensions LTL freight at an incredibly fast rate of 2-3 seconds within 0.5 inch accuracy.

Forklift Operator Display

The operator display, mounted on the system, provides a visual of freight dimensions to the forklift driver. Once a pallet has been dimensioned, the L × W × H measurements and a "Remove" message is displayed to indicate the system has completed dimensioning and the forklift driver can remove the freight.

Connectivity

A Windows®-based software program and industrial touchscreen PC provide connectivity with bar code scanners, floor scales, and other networked devices to trigger the system to dimension. You can then transmit data and images for each transaction into your management system.

Specifications

Legal for Trade Measurement Range:	**Maximum Freight Size:** (L × W × H) 96 × 96 × 96 in **Minimum Freight Size:** (L × W × H) 12 × 12 × 12 in
Measurement Increment:	0.5 in
Network Interface:	One static IP address is required
Throughput:	300-360 pallets per hour
Performance Characteristics:	Most surfaces are captured including transparent, translucent or glossy surfaces
Item Placement:	Single pallet within the center of the target zone for best performance
Minimum Pallet Height:	4.25 in wood pallets
Shapes:	Solid shapes, 2 in or less protrusions or more will be included in dimensions
Lighting Conditions:	Operates in most shipping/warehouses indoor lighting environments
Image Types:	Standard 640 × 480 dpi available in .bmp or .jpg file format
Installation Overview:	**Method:** Ceiling mounted with suspension cables or 80/20 mount beams **Minimum Ceiling Height:** 13 ft **Sensor Height:** 11 ft **Unobstructed Floor Space:** 10 × 10 ft **Target Zone:** 8 ft × 8 ft directly under the center of the device
Physical Dimensions:	(L × W × H) 150 × 150 × 34 in
Power Requirements:	Single power source (93-264 VAC), with 25 ft power cable
Operating Temperature:	14° F to 104° F (-10° C to 40° C)
Humidity:	0-90% non-condensing
Mechanical Environment Class:	M1
Electromagnetic Class:	E1
Warranty:	Two-year limited warranty

Please refer to ricelake.com for the latest specifications.

Approvals

NTEP Certified
COC#
14-101P

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Specifications subject to change without notice.