NEW
PALLET DIMENSIONING SYSTEM
iDimension® LTL

The iDimension LTL uses advanced sensing technology to determine the cubic dimensions of freight, ensuring that freight code compliance is recorded and declared. Ideal for LTL carriers and companies with a high percentage of product shipped via pallet or crate, the iDimension LTL removes the potential for human error when taking measurements. The extra labor of manually determining dimensions is eliminated, as the iDimension LTL accurately captures freight dimensions in less than two seconds.

Standard Features

- Legal for Trade measurement range for maximum freight size at 96 in x 96 in x 96 in and minimum freight size at 12 in x 12 in x 12 in with 0.5 -inch accuracy
- 360-degree access for easy pallet placement in the center of target zone
- No moving parts and solid-state design
- Minimal set-up and training required
- Up to four low-resolution intensity images provide a bounding box to identify measurement recorded and can be configured to include time and date, scan ID, serial number, dimensions and dimensioning indications

Options

- Up to two high-resolution cameras enable freight identification, damage assessment and tracking
- LED lighting kit reflects a light grid on the floor, eliminating the need to paint, etch or tape the dimensioning zone
- 23-inch forklift operator display provides instantaneous feedback to the forklift or pallet jack operator, communicating dimensions and system status
- iDimension software suite provides a customizable GUI and triggering methods, storage, logging and transfer of shipment and dimensional data and ftp images to existing ERP, TMS and WMA without the use of the iDimension web service interface API
- iDimension software suite can be used to integrate the iDimension LTL with barcode scanners, floor scales and forklift scales

Specifications

Legal for Trade Measurement Range:
Maximum freight size: (L x W x H) 96 in x 96 in x 96 in
Minimum freight size: (L x W x H) 12 in x 12 in x 12 in

Measurement Increment:
0.5 in

Throughput:
Average transaction time of 7 seconds

Performance Characteristics:
Most surfaces are captured, including black plastic shrink wrap. Transparent/translucent and glossy surfaces may provide a variance.

Item Placement:
Single pallet within the center of the target zone for best performance

Specifications Continued

Minimum Pallet Height:
4.25 in wood pallets

Shapes:
Solid shapes, (3-inch protrusions or more) will be included in dimensions

Lighting Conditions:
Operates in any indoor lighting environment

System Contents:
iDimension LTL
Calibration object
20 in x 20 in x 20 in test box

Dimensioning Speed:
Within 2 seconds from the time the target area is clear and the iDimension LTL has been triggered to scan

Unobstructed Floor Space:
For best performance, provide a 11 ft x 11 ft area clear of walls, inventory racks or barriers

Minimum Ceiling Height:
12.75 ft

Sensor Height:
11 ft

Network Interface:
One static IP address required when used with a mobile PC. Up to 12 IP addresses reserved when connected directly to the network.

Physical Dimensions:
(L x W x H) 135 in x 135 in x 14.5 in

Power Requirements:
Single power source (96-264 VAC), with 25 ft power cable

Optional Mobile PC:
Quad Core Intel E3845 processor, 4GB RAM DDR3, CFAST 32GB, 12.1 in XGA LED 500 NIT display with resistive touchscreen, Windows 10 Pro, 4 x USB 2.0 ports, 1 x Ethernet 10/100/1000, 1 x VGA, -30°C to 55°C, IP65

Optional Network Camera:
2.4 mm POE network color camera with 3-axis camera angle adjustment. IP24 rating. Standard 2688 x 1606 pixels, 96 dpi @ 751kb standard output in .jpeg format. Configurable for time and date, scan ID, system serial #, dimensions and dimensional indicators.

Operating Temperature:
14°F to 104°F (-10°C to 40°C)

Humidity:
0-90% non-condensing

Warranty:
Two-year limited warranty
Five-year limited warranty, sensors only

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Part Numbers/Price

Part #	Description	Price
Systems		
194205	iDimension LTL single	Consult
194215	Software license annual maintenance	Consult
System Options		
188755	2.4 mm POE network camera – up to 2 optional	Consult
194206	iDimension LTL LED target zone light kit	Consult
193830	23 in commercial forklift operator monitor display kit commercial option	Consult
189332	Industrial PC and mount kit with iDimension software suite	Consult
174659	Industrial PC stand and guardrail kit	Consult
176019	20 x 20 x 20 in sanalite test box	Consult
174132	50 ft AC power cord	Consult
Consult	iDimension software suite customization	Consult
Mounting Options		
194208	80/20 ceiling mount kit, 45 degree install (25 ft ceiling max)	Consult
188446	80/20 ceiling mount kit (25 ft ceiling max)	Consult
188757	Aircraft wire ceiling mounting kit (35 ft ceiling max)	Consult
Installation		
171666*	RLWS iDimension field install and training, T & E not included	Consult/day
Replacement Parts		
174374	JLT Mobile PC AC power adapter and cord	Consult
175479	75 ft Industrial ethernet cable	Consult
175621	USB 2.0/ Ethernet adapter (USB A to RJ45)	Consult
184197	20 x 20 x 20 in wood test box	Consult
189498	iDimension LTL & 400 plus calibration object	Consult
188026**	Sensor – Network IP unassigned	Consult
195405	Sensor, labeled 1, sensor #4, 192.168.0.4 IP address	Consult
195406	Sensor, labeled 2, sensor #3, 192.168.0.5 IP address	Consult
195407	Sensor, labeled 3, sensor #2, 192.168.0.6 IP address	Consult
195408	Sensor, labeled 4, sensor #5, 192.168.0.7 IP address	Consult
195409	Sensor, labeled 5, sensor #1, 192.168.0.8 IP address	Consult

*Requires factory support and training on first installation of iDimension LTL
**Requires IP configuration on site with IFM Vision Assistant software, consult factory

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