

iDimension® LTL XL

Pallet Dimensioning System



Standard Features

- Access for easy pallet placement in the center of target zone
- No moving parts and solid-state design
- Minimal setup and training required
- Up to six 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

- 21.5-inch forklift operator display provides instantaneous feedback to the forklift or pallet jack operator, communicating dimensions and system status
- iDimension SS 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 SS can be used to integrate the iDimension LTL with bar code scanners, floor scales, forklift scales and printers to easily integrate with ERP/MRP/WMS software
- Stop & Go motion detection. Forklift operator performance improves using stop & go

Approvals



Part Numbers/Price

Part #	Description	Price
Systems		
202974	iDimension LTL XL	Consult
System Options		
205285	2.4 mm POE network camera – up to 2 optional	Consult
195284	iDimension LTL LED target zone light kit	Consult
205286	21.5 in commercial forklift operator monitor display kit commercial option	Consult
176019	20 x 20 x 20 in sanalite test box	Consult
206543	iDim LTL light tree kit	Consult
174132	50 ft AC power cord	Consult
Mounting Options		
205283	80/20 S & G ceiling mount kit (25 ft ceiling max)	Consult
206007	iDimension LTL install bracing, for ceilings 18-25 ft	Consult
188757	Aircraft wire ceiling mounting kit (35 ft ceiling max)	Consult
PC Options		
205073	JLT mobile PC and mount kit hardware, Windows 10	Consult
205287	JLT mobile PC overhead mounting kit on iDimension LTL	Consult
174659	JLT mobile PC stand and guard rail kit	Consult
201558	JLT Flash 64GB Cfast, iDimension SS 5,000 record storage	Consult
Optional Integration Solutions		
203010**	QubeVu Desktop App, software keyboard wedge, Windows 10	N/C
175812	iDimension SS webserver software, Windows 10, for data collection and integration	Consult
201447	iDimension SS real-time status display desktop app (Stop & Go)	Consult
201448	iDimension SS standalone forklift data management web app (Stop & Go)	Consult
206229	Honeywell long range TCP/IP scanner kit for use with iDimension SS Software	Consult
iDimension LTL Stop and Go		
198480	Stop and GO activation license key	Consult
198106	Universal Class II forklift carriage 34" Stop and GO reflector plate	Consult
193858	CLS forklift scale Stop and GO reflector plate	Consult
Optional Factory Service and Support		
194215	Annual software maintenance	Consult
171666	iDimension field install and training/day, travel and expenses not included	Consult
Extended Warranty – 2 year standard		
202033	iDimension PWD/LTL additional 1 year extended warranty	Consult
202034	iDimension PWD/LTL additional 2 year extended warranty	Consult
202035	iDimension PWD/LTL additional 3 year extended warranty	Consult
Replacement Parts		
174374	JLT Mobile PC AC power adapter and cord	Consult
175621	USB 2.0/ Ethernet adapter (USB A to RJ45)	Consult
184197	20 x 20 x 20 in wooden test box	Consult
196158	iDimension LTL & 400 plus calibration object	Consult

*Requires factory support and training on first installation of iDimension LTL

** Available for free download at www.ricelake.com

Specifications

Legal for Trade Measurement Range:

Maximum freight size: (L x W x H)
144 x 96 x 96 in (3,658 x 2,438 x 2,438 mm)
Minimum freight size: (L x W x H)
12 x 12 x 12 in (305 x 305 x 305 mm)

Measurement Increment:

0.5 in (10 mm)

Dimensioning Speed:

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

Performance Characteristics:

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

Stop & Go Measurement Performance Characteristics:

For maximum pixel coverage and best performance, when measuring highly reflective objects use the iDimension LTL Drop and Clear triggering method

Item Placement:

Single pallet within the center of the target zone for best performance

Minimum Pallet Height:

4.25 in (108 mm) wooden pallets

Unobstructed Floor Space:

For best performance, provide a 15 ft x 11 ft area clear of walls, inventory racks or barriers

Minimum Ceiling Height:

12.75 ft

Shapes:

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

Lighting Conditions:

Operates in any indoor lighting environment

Power Requirements:

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

Optional Network Camera:

2.4 mm fixed 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

Approvals:

NTEP 19-076A2