

iDimension® LTL/LTL XL Pallet Dimensioning System



*As of: Tuesday,
September 23, 2025*



Standard Features

- 360° fork truck access for easy pallet placement in the target zone
- Dimensions update in 0.5 seconds
- Minimal set up and training required
- Bounding box images identify measurement cube
- Color camera

Options

- Second color camera
- Work area and target zone LED light kit
- 21.5-inch operator display provides instantaneous feedback to the forklift or pallet jack operator
- iDimension SS for storing data and images transferring data to ERP and WMS systems
- Stop and go activation key

Approvals



WARNING:
Cancer
and
Reproductive
Harm
California
Proposition
65

A Freight Dimensioner That Assures Efficiency

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

Real-time Assessment for Accurate Pallet Dimensioning

Depending on the application, up to two high-resolution cameras perform freight identification, damage assessment and tracking. To easily line up within view of the cameras, an LED light kit reflects a light grid on the floor to assist forklift drivers without painting or taping guides. The operator display provides instantaneous feedback to the operator, communicating dimensions and system status.

Quality Freight Dimensioning Systems That Last

With no moving parts and a solid-state design, the iDimension LTL can easily integrate into a typical LTL environment and be installed in one day. Its rugged computer and industrial electrical components can withstand the extreme conditions of shipping docks. With network integration, it can suit any facility's system.

LTL /LTL XL Specifications

Legal for Trade Measurement

Capability:

LTL Drop and Clear:

Min: 12 × 12 × 12 in (30 × 30 × 30 cm)

Max: 96 × 96 × 96 in (244 × 244 × 244 cm)

LTL XL Drop and Clear:

Min: 12 × 12 × 12 in (30 × 30 × 30 cm)

Max: 144 × 96 × 96 in (365 × 244 × 244 cm)

Stop & Go:

Min: 12 × 12 × 12 in (30 × 30 × 30 cm)

Max: 72 × 72 × 84 in (183 × 183 × 213 cm)

Power Requirements:

110 to 240 VAC

25 ft (7.62 m) power cable included

Measurement Increment:

NTEP: 0.5 in

OIML: 2 cm

Dimensioning Speed:

Within 2 seconds from trigger to scan complete

Performance Characteristics:

Most surfaces are captured, including black plastic shrink wrap.

Transparent/translucent and glossy surfaces may provide a variance.

Stop and Go Measurement

Performance Characteristics:

Stop-trigger-go 2 seconds for Legal for Trade results. Best when used with a Rice Lake Legal for Trade forklift scale.

Item Placement:

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

Minimum Pallet Height:

4.25 in (108 mm) wood pallets

Minimum Ceiling Height:

12.75 ft

Shapes:

Solid shapes, 3 in (76 mm) protrusions will be include dimensions

Lighting Conditions:

Operates in any indoor light environment

Temperature:

Operating:

14 °F to 104 °F (-10 °C to 40

Humidity:

0 to 90% non-condensing

Warranty:

Two-year limited (extended available for purchase)

Sensors: five-year limited

Approvals:

NTEP 19-076

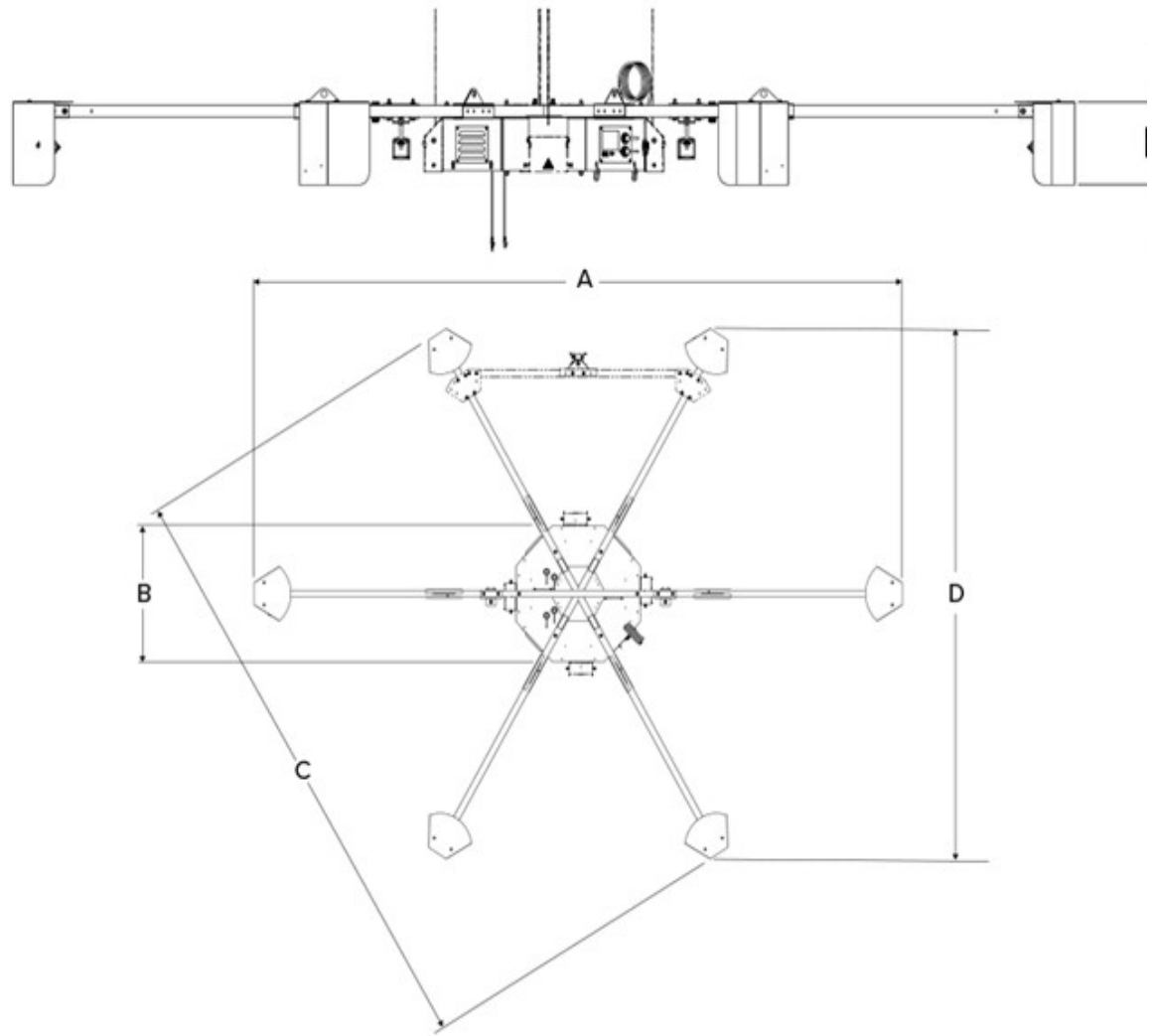
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EU MID T12563

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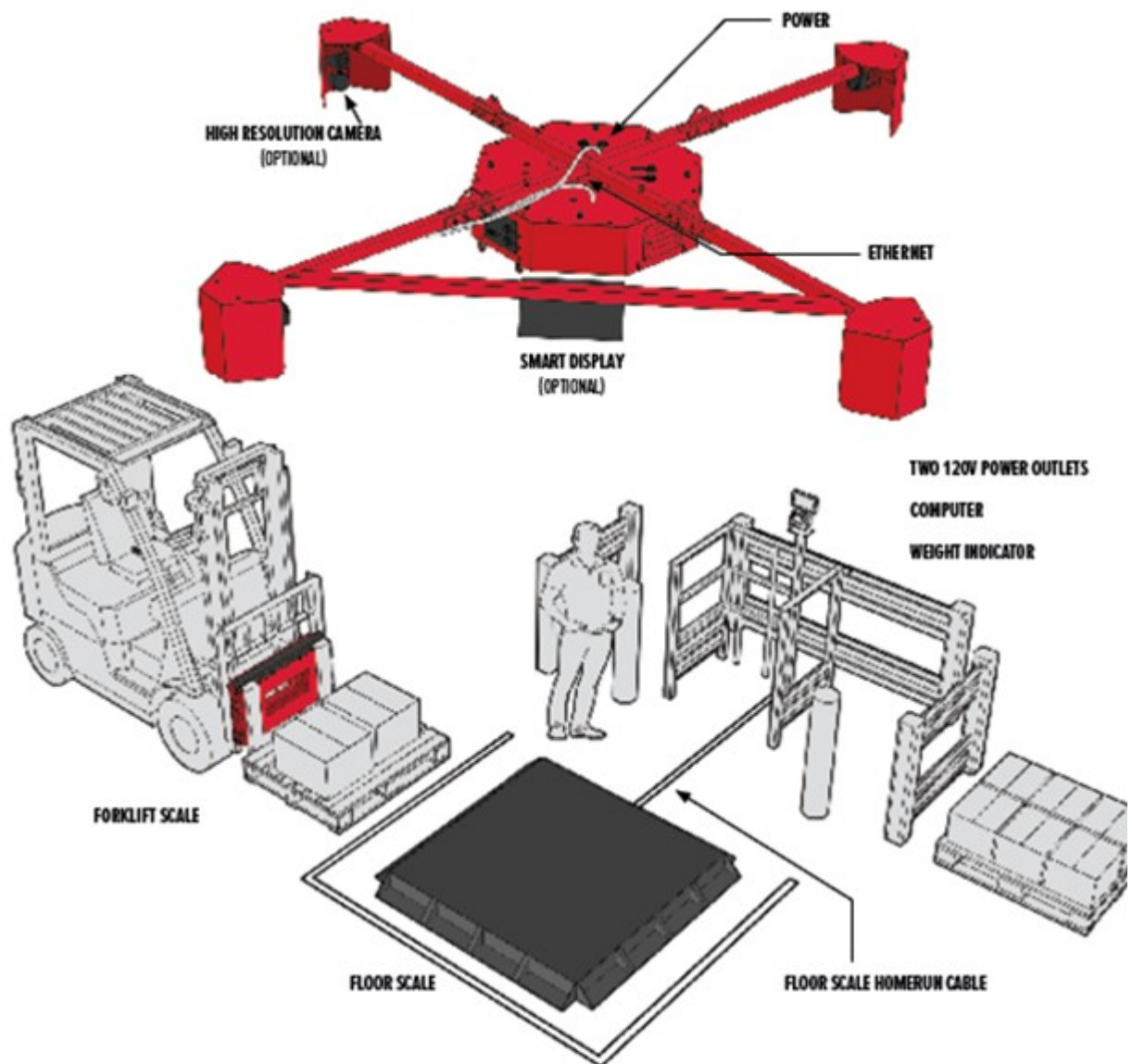
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LTL XL Dimensions



iDimension LTL/LTL XL Dimensions			
A	178.28 in (4,528 mm)	D	131.83 in (3,348 mm)
B	34.00 in (864 mm)	E	12.64 in (321 mm)
C	150.44 in (3,821 mm)		

System Overview



Parts

Part #	Description
194205	iDimension LTL System 8 x 8 x 8ft Max
202974	iDimension LTL XL System Single, Rugged Internal PC, 12 x 8 x 8ft x 0.5in

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Options

Part # Description

Mounting Options

205283 iDimension, Option 80/20 Ceiling Mount Kit, 25ft Ceiling Height Max

188757 iDim Hanging Hardware Kit Hanger Assy, wires, and hardware

System Options

188755 iDim Camera Option Kit camera, cabling, and hardware

222641 iDimension, Option Work Area and Target Zone Blue LED Light Kit, For LTL and LTL-XL

193830 Kit,iDimension LTL 21.5" Smart Monitor & Mount Kit - Commercial

205286 Kit,iDimension LTL XL 21.5" Smart Monitor & Mount Kit - Commercial

223035 Power Cord,230VAC,CEE7/7 Continental Europe, Molded Plug, 10m with IEC plug, HO5RN-F, Harmonized

223036 Power Cord,BS 1363 (UK) Molded Plug, 10m with IEC plug, Harmonized 13 Amp

223037 Power Cord,AS/NZS 3112 230VAC Australian Molded Plug to Pluggable C13, 10m

PC Options

205073 Mobile PC,Touch Screen iDim LTL JLT 1214N Mobile PC Kit

202214 Kit,iDimension LTL Industrial PC Mount Kit

205287 Kit,iDimension LTL XL Industrial PC Mount Kit

174659 Mobile PC stand, iDim LTL For use with JLT 1412P in LTL terminals

212433 Mobile PC,Touch Screen iDim Vehicle Mount Computer Kit

Optional Integration Solutions

203010 iDimension App. (Previously iDim Desktop Wedge) for Windows PC. Download available at www.ricelake.com

175812 Software,iDimension SS Webserver, database collection and integration program

201447 Software,iDimension SS real-time status display desktop application

201448 Software,iDimSS Data Mgmt Forklift Data Management Software

Scanner and Printer Options

206229 Scanner Kit,Honeywell 1981IFR-3USB-5-N with USB and RS232 Cable and Power Adapter with Charging Cradle

212410 Printer,ZD421 Zebra, Direct Thermal, 4in Wide, 203DPI, USB Host, 100-240VAC With US Power Cord, LAN 10/100 Eth Connectivity

Part #	Description
37345	Label,Roll DTL 4.00x6.00 5" Dia 1 in Core 450 - 475 Per Roll Perfed Wound Out, Top Coated -10 Degree + Application Temperature

iDimension LTL Stop & Go

198480	Software License,iDim LTL Single Activation Code Stop and Go upgrade
212337	Bracket, Stop and Go Kit Class II 16in forklift carriage side-mount reflector posts
193858	Rice Lake CLS forklift scale cover with Stop and Go reflectors, CLS 34in scale

Floor Scale Options

213921	Scale,Floor Roughdeck 5x5HP-5K 5ftx5ftx3-1/2 5000lb 20ft w/o Quick Connect NTEP III 5 Steel Painted Matte Black, LTL Special
214187	Scale,Floor Roughdeck 5x5HC-2,500 5ftx5ftx3-1/2in 2,500KG LMB Mild Steel, Painted Matte Black, w/o Quick Conn iDimension LTL Special
213922	Scale,Floor Roughdeck 5x7HP-5K 5ftx7ft-3-1/2 5,000lb 20ft w/o Quick Connect NTEP III 5 Steel Painted Matte Black, LTL Special
86820	Bumper Guard, Roughdeck HP 7ft long, OPT A, 10K or smaller, 3x3x1/4, 5/8 diameter holes
86873	Bumper Guard, Roughdeck HP 5ft long, OPT C, 10K or smaller, 3x3x1/4 Angle, 5/8 Diameter Holes
213999	Ramp,Roughdeck 5ftW x 4ftL x 3-1/2 1,000 - 10,000lb Steel Painted Matte Black
200183	Indicator,680 Plus Universal LED Display, 115-230VAC Power Supply, US Power Cord With RJ-45

Factory Service and Support

FLD- INSTALL	Field Install & Training Installation Assistance Monday thru Friday ***** following rates apply to on-site installation assistance and training services provided by Rice Lake Weighing System Representatives Monday thru Friday. Per Day Net Charge: \$1395 per work day (not to exceed 8 work hours). Additio hours prorated at \$200 per hour. TRAVEL EXPENSES BILLED SEPARATE AND AT COST Cost between Rice Lake, Wisc Job location, regardless of mode of transportation. Travel Time: Customer will be charged for the travel time to and Included in the per-day charge. LIVING EXPENSES BILLED SEPARATE AND AT COST to cover room and board, vehicle Shipping Expense: Cost for shipment of special equipment to and from job location.
202029	Remote Support, iDim, Hourly rate scheduled integration services

Extended Warranty – 2 year standard

202033	iDimension PWD or LTL Extended Warranty Year 3
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