i Dimension® LTL SERIES

PALLET DIMENSIONING SYSTEM

RICE LAKE
WEIGHING SYSTEMS

DIMENSIONING IN LESS THAN
2.0
SECONDS

Efficient, Powerful Dimensioning

iDimension LTL uses advanced sensing technology to accurately capture cubic dimensions of freight in less than 2 seconds. Automating your dimensioning operations with iDimension LTL eliminates the risk of human error while increasing accuracy and efficiency.

Freight Dimensioning Benefits

1
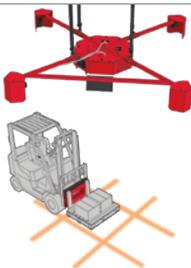RELIABLE CHARGEBACK PREVENTION

2
DOCUMENTATION FOR FREIGHT CLAIMS

3
OPTIMAL LOAD PLANNING

4
FASTER OPERATION

Quick Capture

STOP

TRIGGER

Dimensions (in)
Length 50.5
Width   40.5
Height 62.0

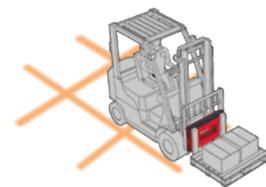**GO**

The optional Stop & Go feature allows forklifts to stop, trigger the dimensioner and resume movement in approximately 2 seconds. This streamlines pallet processing by capturing Legal for Trade dimensions without operators dropping the pallet or removing forklift tines.

- *Stop and Go creates the fastest static dimensioning solution*
- *Seamlessly integrates with forklifts and forklift scales to capture Legal for Trade weight and dimensions in one step*
- *Eliminates the challenges of in-motion measurements and increases throughput with fewer second attempts, improving forklift traffic flow*
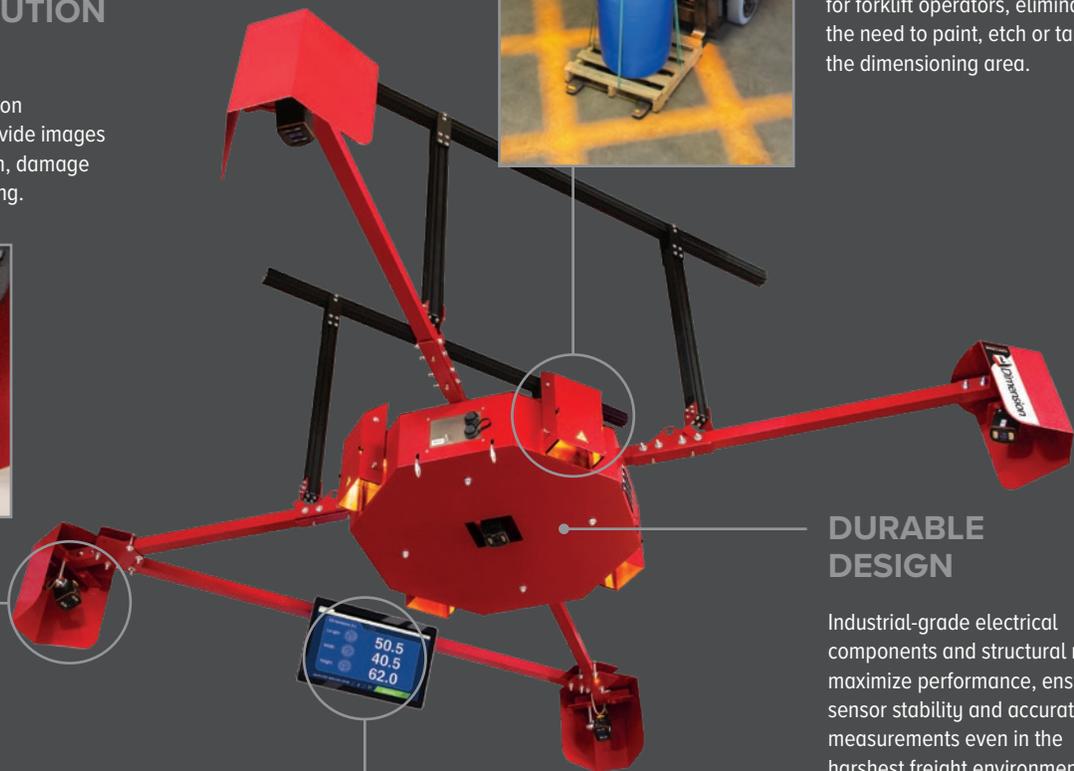
Straightforward Use

TARGET ZONE LEDS

An LED light kit marks a target dimensioning zone on the floor for forklift operators, eliminating the need to paint, etch or tape the dimensioning area.

HIGH-RESOLUTION IMAGES

Up to two high-resolution cameras (optional) provide images for freight identification, damage assessment and tracking.

DURABLE DESIGN

Industrial-grade electrical components and structural rigidity maximize performance, ensuring sensor stability and accurate measurements even in the harshest freight environments.

OPERATOR DISPLAY

An operator display provides immediate feedback to forklift or pallet jack operators, indicating dimensions and system status.

Dimensions (in)

Length 50.5
Width 40.5
Height 62.0

Scan ID: 23115 July 12, 2022 3:55 AM
Remove

80/20 CEILING SUPPORTS

POWER

HIGH RESOLUTION CAMERA (OPTIONAL)

ETHERNET

SMART DISPLAY (OPTIONAL)

TWO 120V POWER OUTLETS COMPUTER WEIGHT INDICATOR

FORKLIFT SCALE (OPTIONAL)

FLOOR SCALE (OPTIONAL)
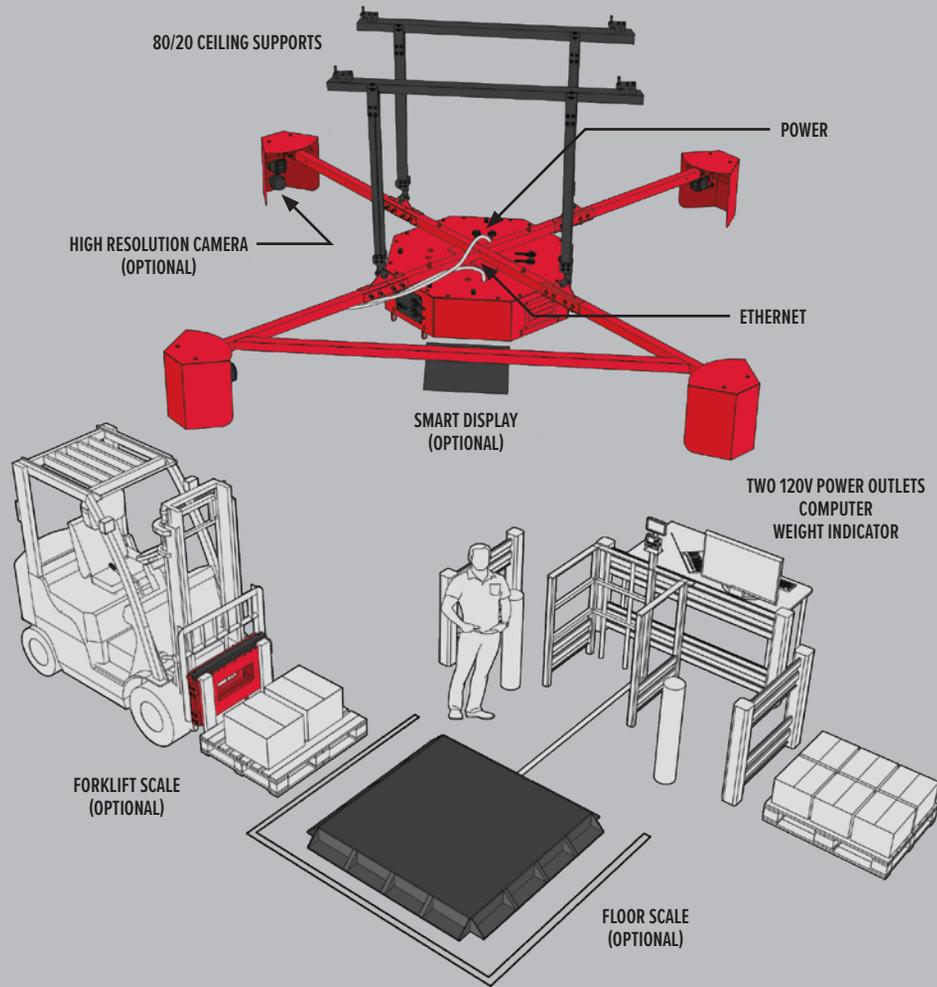
Robust Software

Integration That Works

The iDimension LTL is a network device with a web server interface, providing straightforward integration to easily transfer images, dimensions and weight to your shipping software. Install iDimension SS web server software on a network PC or server to trigger an iDimension product using our simple REST API or a TCP/IP bar code scanner. Add a TCP/IP label printer to print freight data, including weight, dimensions, identification number and configurable user fields. FTP images and shipment data can be easily transferred to existing ERP, MRP, TMS and WMS systems.

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Scale Integration

Pair your dimensioner with floor scales or forklift scales to capture Legal for Trade weight and dimensions in one efficient step. Create a fully automated solution by installing a dimensioner above a conveyor or pallet stretch wrapper with an integrated scale.

iDimension LTL XL

With additional sensors, the iDimension LTL XL captures Legal for Trade measurements on freight up to 12 feet long, 8 feet wide and 8 feet tall. iDimension LTL XL helps LTL shippers avoid fees and expensive chargebacks for extra-long freight that may be misclassified with improper dimensions.

	iDimension LTL	iDimension LTL XL
Number of Sensors	5	8
Maximum	8 × 8 × 8 ft (2.4 × 2.4 × 2.4 m)	12 × 8 × 8 ft (3.6 × 2.4 × 2.4 m)
Minimum	12 × 12 × 12 in (30 × 30 × 30 cm)	12 × 12 × 12 in (30 × 30 × 30 cm)
Divisions	0.5 in (2 cm)	0.5 in (2 cm)

SPECIFICATIONS

DIMENSIONING SPEED:	Within 2 seconds from the time the iDimension LTL has been triggered to scan
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 centered in the target zone for best performance
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
UNOBSTRUCTED FLOOR SPACE:	For best performance, provide an 11 ft x 11 ft area clear of walls, inventory racks and 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.
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, -22°F–131°F (-30°–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 at 751 kb standard output in .jpeg format. Configurable for time and date, scan ID, system serial number, 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 Five-year limited, sensors only

APPROVAL

NTEP Certified COC# 19-076

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