iDimension® LTL

3D Freight Dimensioning System

50.5
40.5
50.0

RICE LAKE®
WEIGHING SYSTEMS

iDimension® LTL
3D Freight Dimensioning System

Efficient Imaging with a
Pallet Dimensioner

The iDimension LTL uses advanced sensing technology to accurately determine the cubic dimensions of freight. This ensures freight code compliance is being recorded and declared and that optimal load planning efficiency is achieved.

Ideal for LTL carriers and companies with 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 by accurately capturing freight dimensions in less than two seconds.
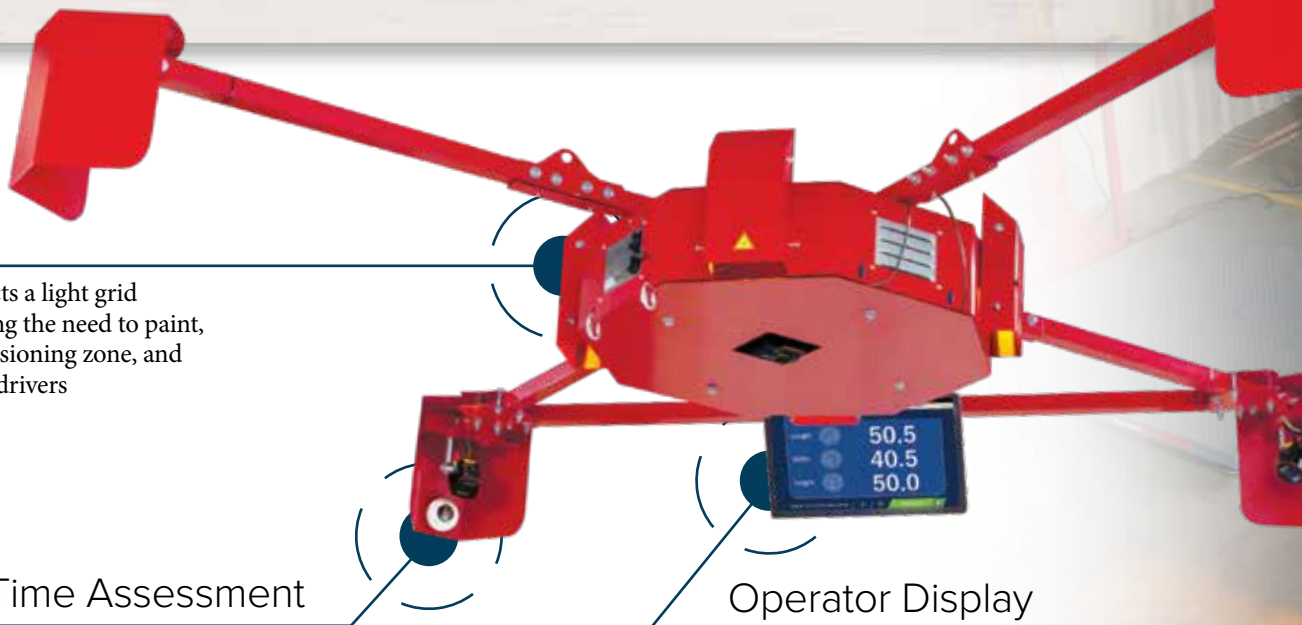
Light Kits

An LED light kit reflects a light grid on the floor, eliminating the need to paint, etch or tape the dimensioning zone, and quickly assists forklift drivers

Real Time Assessment

Up to two high-resolution cameras for freight identification, damage assessment and tracking

Operator Display

Operator display provides instantaneous feedback to the forklift or pallet jack operator, communicating dimensions and system status

2.0
SECOND
DIMENSIONING

Lightning Speed

The iDimension LTL harnesses the fastest processing in the industry. Its advanced imaging technology dimensions LTL freight at a rate between 1-2 seconds within 0.5-inch Legal-for-Trade accuracy.

Rugged Design

With no moving parts and a solid-state design, the iDimension LTL can easily integrate into a typical LTL environment. Its rugged computer and industrial electrical components can withstand both the hot and cold extremes of shipping docks. Sensors and cameras are protected from accidental freight impact.

Ease of Installation

The iDimension LTL can be installed in one day. Installation technicians will test the interface and train personnel how to use, configure and calibrate the system.

Dimension® LTL
3D Freight Dimensioning System

Connectivity

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 WMS without the use of the iDimension web service interface API. Integration with bar code scanners, floor scales and forklift scales is also made possible with the iDimension software suite.

Network Integration

The iDimension LTL is a network device with a web service interface, providing simple integration using configurable capture definitions through HTTP requests, status checking and XML parsing. Simply, Rice Lake has designed this product to easily transfer images and dimensions to your network.

Legendary Support

Rice Lake Weighing Systems' extensive local dealer network and factory technical support team provide pre- and post-sales support, installation and on-site training. Our dimensioning technical service department is available over the phone 24/7, 365 days a year.

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 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
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
DEVICE 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 at 751kb 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 warranty Five-year limited warranty, sensors only

APPROVAL

NTEP Certified COC# 19-076

RICE LAKE
WEIGHING SYSTEMS