

 **Dimension™**
400
3D Imaging System



RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com



Dimension™ 400 3D Imaging System



LTL Dimensioning—Fast, Easy and Efficient

The dimensioning solution for operations needing more than just LTL weight data. Ideal for loading bays, warehouses, and shipping and receiving departments, iDimension 400 optimizes dimensional shipping and enhances quality assurance verification with 3D imaging technology.

Advanced 3D Imaging

Once triggered, iDimension 400 captures dimensions in only three and a half to five seconds. While calculating dimensions, the system provides a single overhead image and four side-view images. The time and date, bounding box, and dimensions can also be displayed with the images, providing a visual representation of the dimensional calculation and additional details for quality assurance and verification purposes. Using an existing floor or lift truck scale with iDimension 400 adds weight data to each transaction. iDimension 400's ceiling mount design allows 360 degree access for easy pallet placement within the target area.

Speed

Once triggered, the iDimension 400 will process a dimensional transaction in three and a half to five seconds, including images.

System Integration

When connected to your network, use iDimension 400's open web service interface and API to show system status as well as to trigger a dimensioning transaction from a mobile PC for real-time data transfer. iDimension 400's network interface allows other PCs throughout your company to view one of three operating displays without any additional software required.

iDimension 400 Software

Connect iDimension 400 directly to a local industrial PC and trigger a transaction using Windows® based iDimension 400 software. iDimension 400 software displays the status of the unit transaction as well as stores the tracking number, L x W x H dimensions, time and date, images and more.

Easy Maintenance and Support

With no moving parts and a solid-state design, maintenance is virtually non-existent. With remote access capabilities, phone service technicians and your company's administrators can view the performance of iDimension 400 in real-time. The simple-to-use operator interface requires minimal set-up, and calibration is performed in only a few minutes.

Specifications

| | |
|---|--|
| Legal for Trade Measurement Range: | Maximum Freight Size: (L x W x H) 96 x 96 x 96in Minimum Freight Size: (L x W x H) 12 x 12 x 12in |
| Measurement Increment: | 0.5in |
| Network Interface: | Isolated VLAN with DHCP disabled, two static IP addresses are required (iDimension 400 and web relay power switch) for direct system integration |
| Throughput: | 240-300 pallets per hour |
| Performance Characteristics: | Most surfaces; transparent, translucent and glossy surfaces |
| Item Placement: | Single pallet within the center of the target zone for best performance |
| Minimum Pallet Height: | 4.25in |
| Shapes: | Solid shapes, two-inch-or-less protrusions may not be included in dimensions |
| Lighting Conditions: | Operates in any indoor lighting condition |
| Image Types: | Standard 640 x 480 dpi available in .bmp file format, configurable using iDimension 400 software |
| Installation Overview: | Method: Ceiling mounted with suspension cables Minimum Ceiling Height: 14ft - 15ft Sensor Height: 10ft (remote sensors); 12ft main sensor Unobstructed Floor Space: 10 x 10ft Target Zone: 8 x 8ft directly under the center of the device |
| Calibration Object: | Included with each system |
| Physical Dimensions: | (L x W x H) 150 x 150 x 34in |
| Construction: | Aluminum, mild steel, powder |
| Power Requirements: | Single power source (93 - 264VAC), with 25ft power cable |
| Operating Temperature: | 14° F to 104° F (-10° C to 40° C) |
| Humidity: | 0-90% non-condensing |
| Mechanical Environment Class: | M1 |
| Electromagnetic Class: | E1 |
| Warranty: | Two-year limited warranty |

Please refer to ricelake.com for the latest specifications.

Approvals



NTEP Certified
COC#
14-101P

Your Rice Lake Weighing Systems distributor is:



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Specifications subject to change without notice.