

iDimension® PWD System

Pallet Weighing and Dimensioning System



Standard Features

- Integrated 5 × 5 ft floor scale, 5,000 lb capacity
- Pallet tare mode can measure objects on a pallet by excluding the pallet from the measurement (not Legal for Trade)
- Simple API network integration through HTTP requests, status checking and XML parsing
- Simple assembly and installation in less than a day

Options

- High resolution color camera
- Wired or wireless bar code scanner
- Access ramps for pallet jack access
- Overhead fifth sensor recommended for dimensioning highly reflective, IR sensitive or black pallet shrink wrap
- iDimensions SS or iDimension Desktop Wedge programs for data integration

Software Integration Program

- iDimension SS for storing data and images transferring data to ERP and WMS systems
- iDimension Desktop Wedge

Specifications

System Requirements:

Windows® 10

Legal for Trade Measurement Range:

(L x W x H)

Maximum:

72 × 72 × 72 in

(1,829 × 1,829 × 1,829 mm)

Minimum:

6 × 6 × 6 in

(152 × 152 × 152 mm)

Measurement Increment:

0.5 in (1 cm)

Performance Characteristics:

Weigh and dimensions in two seconds or less

Most surfaces are captured; transparent/translucent and glossy surfaces may provide a variance

Item Placement:

Centered on floor scale for best performance

Minimum Pallet Height:

4.25 in (108 mm) wood pallets

Shapes:

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

Lighting Conditions:

Operates in any indoor lighting environment

System Contents:

iDimension PWD, 5 × 5 ft 5,000 lb scale, 12 × 12 × 12 in calibration object (test box)

Power Requirements:

Single power source (96 to 264 VAC) with 25 ft (7.62 m) power cable included

Optional Network Camera:

Wide angle POE network color camera with 3-axis camera angle adjustment. IP24 rating. Standard 2688 × 1606 pixels @ 751 kb 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 to 90% non-condensing

Warranty:

Two-year limited

Five-year limited, sensors only

Packaging Dimensions:

Crate 1: 101 × 80 × 30 in; 1,690 lb

(2,566 × 2,032 × 762 mm)

Crate 2: 83 × 68 × 35 in; 900 lb

(2,109 × 1,728 × 889 mm)

Approvals:

NTEP 19-076A2

Approvals



Part Numbers/Price

Part #	Description	Price
199318**	iDimension PWD System, NTEP approved with 5,000 × 1 lb capacity floor scale	Consult
System Options		
200168	2.4 mm POE network camera – up to 2 optional	Consult
199665	iDimension PWD pallet jack ramp	Consult
199666	Optional 5th overhead sensor	Consult
206304	PWD kiosk printer & scanner mounting shelf	Consult
Scanner, Printer and Digital Remote I/O Options		
206229	Wireless Honeywell long-range TCP/IP scanner kit for use with iDimension SS Software	Consult
176307	QuickScan QD2131 USB bar code scanner, keyboard wedge emulation mode only (alpha/numeric)	Consult
192721	Zebra ZD420D printer, direct thermal	Consult
37345	Label, roll 5 in dia, 1 in core	Consult
PC Options		
212433	JLT mobile PC touchscreen vehicle mount computer kit	Consult
Optional Integration Solutions		
203010*	iDimension Desktop Wedge for Windows 10	N/C
175812	iDimension SS (software suite) web server software (Windows 10 required)	Consult
Optional Factory Service and Support		
194215	Annual software maintenance	Consult
FLD-INSTALL	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

* Available for free download at www.ricelake.com

**Custom versions available for mounting spider assembly over pallet stretch wrappers or over a conveyor to weigh, wrap, and dimension all in one efficient step. Contact factory for custom pricing.

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DIMENSIONING

Dimensions

	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
A	117.34	2,980	F	85.56	K	131.86
B	103.14	2,620	G	65.00	L	89.18
C	65.00	1,651	H	85.56	M	72.22
D	163.00	4,140	I	115.66	N	64.25
E	92.70	2,355	J	125.41		

