

iDimension® PWD System

Pallet Weighing and Dimensioning System

DIMENSIONING



Standard Features

- Includes: iDimension PWD, kiosk, panel mounted scale indicator, 5 × 5 ft 5,000 lb scale, calibration object, accuracy test box, operators and assembly manuals
- 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
- Assembly and installation in less than a day
- One high resolution camera (one additional camera available)

Options

- Second high resolution camera
- Bar code scanner and/or printer
- Access ramps for pallet jack access
- Overhead fifth sensor recommended for dimensioning highly reflective, IR sensitive or black pallet shrink wrap

Software Integration Tools

- iDimension Desktop Wedge
- Simple API network integration through HTTP requests, status checking and XML parsing
- iDimension SS for storing data, images and transferring data to ERP and WMS systems

Specifications

Legal for Trade Measurement Range:

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:

Weight 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

Power Requirements:

110 to 240 VAC
with 25 ft (7.62 m) power cable included

Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C)

Humidity:

0 to 90% non-condensing

Warranty:

Two-year limited
Extended warranty available for purchase

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 19-076
OIML

Approvals



Part Numbers/Price

Part #	Description	Price
199318	iDimension PWD System, NTEP approved with 5,000 × 1 lb capacity floor scale (Available with OIML approved scale)	Consult

Options/Accessories

Part #	Description	Price
System Options		
200168	Second high resolution 2.4 mm POE network camera	Consult
199665	iDimension PWD pallet jack ramp	Consult
199666	Optional 5th overhead sensor	Consult
212260	Kiosk shelf for optional scanner and printer	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 barcode scanner	Consult
192721	Zebra ZD420D printer, direct thermal	Consult
37345	Label, roll 5 in dia, 1 in core	Consult
Optional Integration Solutions		
203010*	iDimension Desktop Wedge (Windows 10 required)	N/C
175812	iDimension SS (software suite) web server software (Windows 10 required)	Consult
Factory Service and Support		
194215	Annual licensing fee	Consult
FLD-INSTALL	iDimension field install and training/day, travel and expenses not included	Consult
202029	Hourly rate scheduled integration services remote session	Consult
Extended Warranty – Two-year standard		
202033	iDimension Flex/PWD/LTL additional one-year extended warranty	Consult

Dimensions

PWD System					
A	117.34 in (2,980 mm)	F	85.56 in (2,173 mm)	K	131.86 in (3,349 mm)
B	103.14 in (2,620 mm)	G	65.00 in (1,651 mm)	L	89.18 in (2,265 mm)
C	65.00 in (1,651 mm)	H	85.56 in (2,173 mm)	M	72.22 in (1,834 mm)
D	163.00 in (4,140 mm)	I	115.66 in (2,938 mm)	N	64.25 in (1,632 mm)
E	92.70 in (2,355 mm)	J	125.41 in (3,185 mm)		

