

IDIMENSION® PWD SYSTEM SPECIFICATIONS

Pallet Weighing and Dimensioning System

The iDimension PWD system includes a 5 ft x 5 ft (1.52 m), 2500 kg capacity floor scale with built-in forklift bumper guards, a weight indicator, a USB-connected touchscreen display and an overhead dimensioning system.

The iDimension PWD can be front-loaded with a forklift or side-loaded using a pallet jack with optional access ramps. Simply place the pallet on the floor scale and trigger the PWD less than two seconds, the iDimension PWD measures and provides dimensions, weight and images.

Standard Features

Versatile Uses

iDimension PWD is capable of measuring pallets up to six feet (1.82 m) cubed– or packages as small as six inches (15.24 cm).

Convenient Pallet Tare Mode

For non-Legal for Trade applications, iDimension PWD can measure objects on a pallet by excluding their length and width and subtracting the known pallet height.

Easy Network Integration

The iDimension PWD is designed to easily transfer images and dimensions to a network, simplifying claims processes. Built with a web service interface, iDimension PWD offers simple integration using configurable capture definitions through HTTP requests, status checking and XML parsing.

Quick, Simple Installation

In less than a day, the iDimension PWD can be set up, configured and put to work.

Specifications

Legal for Trade Measurement

Range (L x W x H):

Maximum freight size:
72 in x 72 in x 72 in (182 cm x 182 cm x 182 cm)
Minimum freight size:
6 in x 6 in x 6 in (15 cm x 15 cm x 15 cm)

Measurement Capabilities:

48 in x 42 in x 84 in (120 cm x 105 cm x 210 cm)
Contact factory for more examples

Measurement Increment:

0.5 in (1 cm)

Performance Characteristics:

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

Item Placement:

Single pallet centered on the floor scale for best performance

Minimum Pallet Height:

4.25 in (10.80 cm) wood pallets

Lighting Conditions:

Operates in any indoor lighting environment

System Contents:

iDimension PWD
Calibration object
12 in x 12 in x 12 in (30.5 cm x 30.5 cm x 30.5 cm) test box

Operating Temperature:

14°F to 104°F (-10°C to 40°C)

Humidity:

0-90% non-condensing

Network Interface:

One static IP address required when used with a mobile PC. Up to 11 IP addresses reserved when connected directly to the network.

Power Requirements:

Single power source (96-264 VAC), with 25 ft (7.62 m) power cable

Shapes:

Solid shapes, (3-inch (7.62 cm) protrusions or more) will be included in dimensions

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 @ 751kb standard output in .jpeg format. Configurable for time and date, scan ID, system serial #, dimensions and dimensional indicators.

Warranty:

Two-year limited warranty
Five-year limited warranty, sensors only

Approvals:

NTEP



Approvals



Options

High Resolution Camera

Capture an image of each piece of freight to provide proof of condition to simplify the freight damage claim process. Produces a 2.4 mm color image at 2688 x 1606 pixels

Wired or Wireless Barcode Scanner

Keyboard wedge emulation will manually trigger the iDimension PWD to dimension and add barcode text data into web service API

Access Ramps

One or two side-mounted ramps provide access for pallet jacks

Overhead 5th Sensor

Increases performance when dimensioning highly reflective and IR sensitive pallet shrink wrap material and small protrusion located on top of freight pallets

Software Programs

QubeVu Desktop for use as a software keyboard wedge, transferring weight and dimensions to connected terminal. iDimension Software Suite for storing data and images transferring data to ERP and WMS systems.

Software Maintenance and Support

Annual software maintenance, extended warranty and 24/7 factory technical support available

Part Numbers/Price

Part #	Description	Capacity	Dimensions	Est. Weight	Price
System					
199318	iDimension PWD System	5,000 lb (2,500 kg), 6 ft x 6 ft x 6 ft (1.82 m x 1.82 m x 1.82 m) max	–	–	Consult
System Options					
200168	2.4 mm POE network camera – up to 1 optional				Consult
199320	Data Logic PM 9100RB wireless scanner kit				Consult
176307	Datalogic QuickScan QD2131 KBW, wired USB cable				Consult
199665	iDimension PWD pallet jack ramp				Consult
199666	Optional 5th overhead sensor				Consult
Optional Integrated Solutions					
*	QubeVu Desktop App, Software Keyboard Wedge, Windows 10				N/C
*	QubeVu Developers Guide (API) and SDK files				N/C
175812	iDimension Software Suite, Windows 10				Consult
Optional Factory Service and Support					
202029	Factory software integration remote support				Consult
202027	Factory assembly, setup and configuration remote support				Consult/Unit
194215	Annual Software Maintenance				Consult
171666	iDimension field install and training/day, T & E 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