3D IMAGING AND DIMENSIONING SYSTEM

iDimension® 300

The iDimension 300 is designed to be securely installed to a concrete floor and positioned over a workstation or roller/conveyor system in warehouse and manufacturing environments. The iDimension 300 requires interface to a PC via Ethernet connection or network. The embedded firmware is accessed through an Internet browser providing access to the operator displays, setup and calibration.

Standard Features

- Dimensions parcels in less than 2/10ths of second at 0.2 in NTEP Certified accuracy
- Requires virtually no special alignment or special handling while placing an object under the work area
- Converts irregular shapes like cylinders, spheres, tubes, polybags and uneven shapes to 0.5 in NTEP Certified cubed dimensions
- Dimensions flats, less than 1.2 in height, with the use of a scale connected directly to the iDimension
- Automatic or manual operating modes
  - Automatic operating mode allows you to move the parcel under the work area without the press of a button
  - Manual operating mode is for use with custom or 3rd party software that can be triggered by a bar code scanner or software function key
- Interfaces with most NTEP Certified shipping scales and Rice Lake Bench Pro Series
- High resolution camera:
  - Converts 1d bar codes into a text format and make it available through the iDimension API status within a defined work area directly under the scanner head
  - Provides an image to be used for use with 3rd party OCR software
  - Connects to a PC and communicate directly over the network via static IP or DCHP. Use our open web service interface to take advantage of additional built in features like; a low resolution image of each dimension performed, weight and more
- Contact the factory for an up-to-date listing of 3rd party shipping and inventory management systems compatible with the iDimension Series

Specifications

Power Requirements:
Single power source 110-240V power cord cable with three conductor PC, power connector socket

Object Colors:
All opaque packaging; some variances may occur with glossy surfaces or shrink wrap

Measurement Surfaces:
Level tables, scales, roller balls and roller conveyors. The background should have a contrasting color for items to be dimensioned. Avoid over-polished or glossy surfaces like stainless steel weight platters and flat black paint for best performance.

Operating Temperature:
41° F to 104° F (5° C to 40° C)

Humidity:
Non-condensing

Mechanical Environment Class:
M1

Electromagnetic Class:
E1

I/O Ports:
(3) USB type A ports
(1) 10/100/100BASE-T Ethernet port

Bar Codes Supported:
EAN13, UPC A and 2/5 digit extensions, Code 128 and UCC/EAN-128 encoding, Code 39, Code 93, EAN 8, UPC – E, UPC 2/5 digit extensions, Interleaved 2 of 5, Codabar, Patch Codes, PDF 417, Datamatrix and QR Code

Packaging Contents
165602 - iDimension 300 head assembly with mounting bolts and calibration object
174660 - Adjustable floor stand and hardware kit

Warranty:
One-year limited warranty

Approvals:
NTEP
CE
FCC

iDimension 300 shown with optional single arm stand

NTEP Certified Measurement Ranges - Cube

	Min (In)	Max (In)	Division (in)
Length	7	48	0.2
Width	7	32	0.2
Height	2.4	32	0.2

OIML/MID Certified Measurement Range - Cube

	Min (CM)	Max (CM)	Division (CM)
Length	18	120	0.5
Width	18	80	0.5
Height	5	80	0.5

NTEP Certified Measurement Ranges - Irregular

	Min (In)	Max (In)	Division (in)
Length	7	48	0.5
Width	7	32	0.5
Height	6	32	0.5

Note: Minimum and maximum NTEP Certified capabilities do not reflect non-NTEP Certified performance specifications. Contact factory for more assistance.

Part Numbers/Price

Part #	Description	Est. Weight	Price
165602	iDimension 300	20 lb	Consult
Options/Accessories			
184585	BP 1214-75S 150 x 0.05 lb USB shipping scale with mild steel shroud	–	Consult
180771	Kit, USB Hub*	–	Consult
174660	iDimension stand with packaging	–	Consult
185107	iDimension stand (no packaging)	–	Consult
182195	iDimension stand, dual arms	–	Consult
182265	iDimension stand packaging	–	Consult
176307	QuickScan QD2131 bar code scanner with USB cable	4 lb	Consult

*USB hub kit and scale required for UPS WorldShip Compatibility