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J.P. Bowlin is a quality-driven Calibration Company
that has provided calibration, repair and sales
of all types of weighing and measurement products since 1931.

iDimension™ 300 Series

3D Imaging System

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 2/10th of second at 0.2in 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 0.5in NTEP Certified cubed dimensions
- Dimensions flats, less than 1.2in 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 select Rice Lake indicators
- Enable the high resolution camera to:
 - Convert 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
 - Provide an image to be used for use with 3rd party OCR software
- Connect to a PC and communicate directly over the network via static IP or DHCP. 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.
- Quick assembly: Includes all necessary tools and components for calibration
- Contact the factory for an up-to-date listing of 3rd party shipping and inventory management systems compatible with the iDimension Series

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

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. SHIP WEIGHT	PRICE
165602	iDimension 300	20 lb	Consult
166111	iDimension stand	200 lb	Consult

Note: See back page for dimensional drawing.



Specifications

Power Requirements 300 Series:

Single power source 110-240V power cord cable with 3 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
166111 - Adjustable floor mounted stand and hardware kit

Warranty:

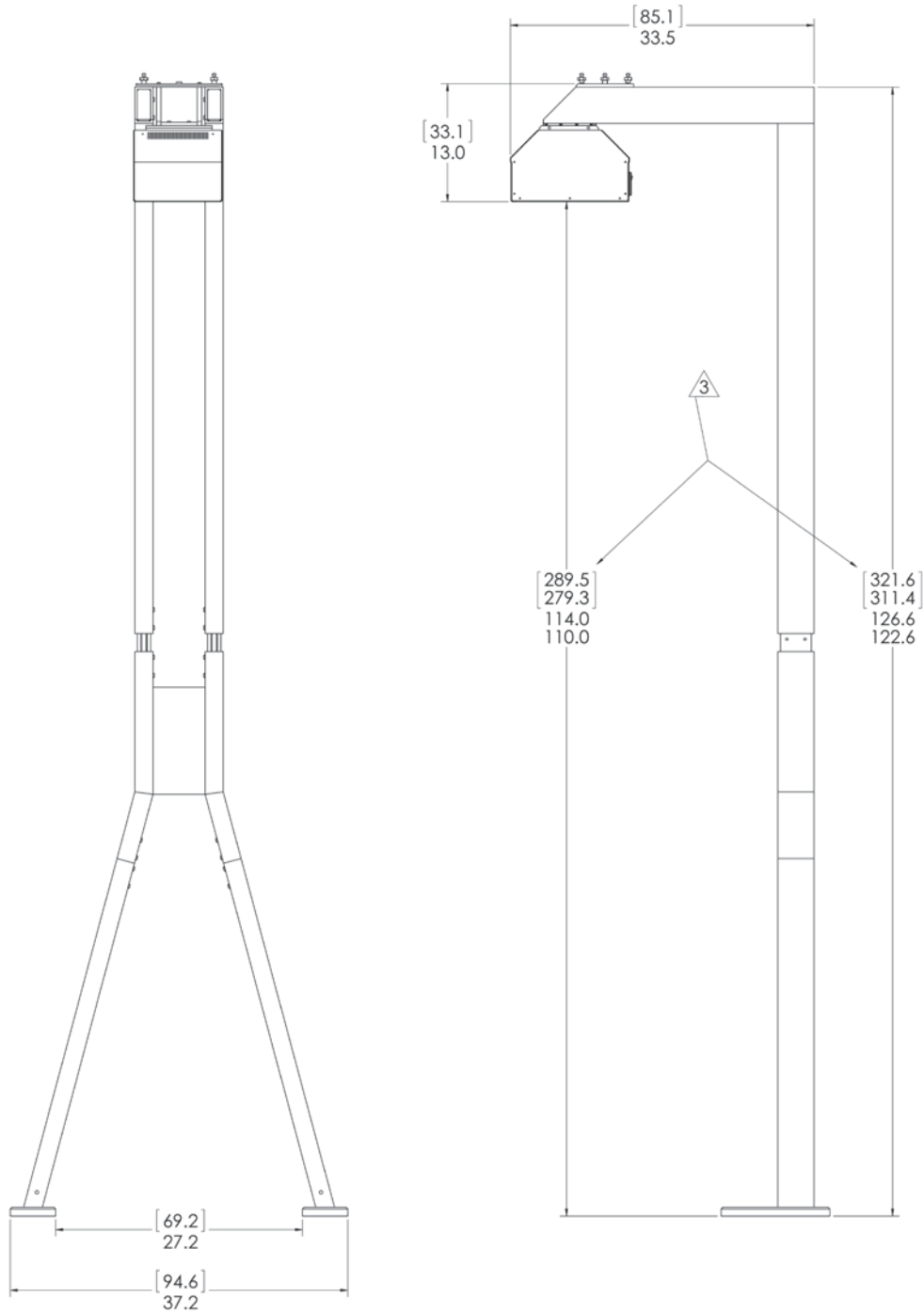
One-year limited warranty

Approvals:

NTEP
CE
FCC

iDimension™ 300 Series

3D Imaging System



NOTES:

1. FRAME SHOWN WITH CAMERA HEAD(PN 165602) FOR DIMENSIONAL REFERENCE
2. BASIC DIMENSIONS ARE INCHES, BRACKETED DIMENSIONS ARE IN CENTIMETERS
3. FRAME ALLOWS HEIGHT ADJUSTABILITY