iDimension™ 300
3D Imaging and Dimensioning 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 2/100th 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 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

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<th>MIN (IN)</th>
<th>MAX (IN)</th>
<th>DIVISION (IN)</th>
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<tbody>
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<td>0.2</td>
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<tr>
<td>Height</td>
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### NTEP Certified Measurement Ranges - Irregular

<table>
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<tr>
<td>Height</td>
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Note: Minimum and maximum NTEP Certified capabilities do not reflect non-NTEP Certified performance specifications. Contact factory for more assistance.

### 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

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**Note:** See dimensional drawing on page 362.
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NOTES:
1. Frame shown with camera head (PN 165602) for dimensional reference
2. Basic dimensions are inches, bracketed dimensions are in centimeters
△ Frame allows height adjustability