iDimension™ 400
3D Imaging and Dimensioning System

Specifications

Legal for Trade Measurement Range:
- Maximum freight size: (L x W x H) 96 in x 96 in x 96 in
- Minimum freight size: (L x W x H) 12 in x 12 in x 12 in

Measurement Increment:
0.5 in

Network Interface:
- Isolated VLAN with DHCP disabled, two static IP addresses are required (iDimension 400 and web relay power switch)

Throughput:
- 240-300 pallets per hour

Performance Characteristics:
- Most surfaces; transparent, translucent or glossy surfaces

Item Placement:
- Single pallet within the center of the target zone for best performance

Minimum Pallet Height:
4.25 in

Shapes:
- Solid shapes, two-inch-or-less protrusions may not be included in dimensions

Lighting Conditions:
- Operates in any indoor lighting condition

Image Types:
- Standard 640 x 480 dpi available in .bmp or .jpg file format

Installation Overview:
For maximum performance, configure with iDim Software Suite
- Method: Ceiling mounted with suspension cables
- Minimum ceiling height: 14 ft to 15 ft
- Sensor height: 10 ft (remote sensors); 12 ft main sensor
- Unobstructed floor space: 10 ft x 10 ft
- Target zone: 8 ft x 8 ft directly under the center of the device

System Contents:
iDimension 400
- Ceiling mount hardware and cables
- Calibration object
- JLT Mobile computer with 50 ft of Ethernet cable
- 20 in x 20 in x 20 in test object
- iDimension software solution

JLT Mobile PC, Touchscreen:
- Quad Core Intel E3845, 4GB RAM, CFAST 32GB, XGA
- LED standard bright with resistive touch screen
- 9-36 VDC input, with RS-232, 12 V power on Pin 9 or VGA
- Bar code Wedge software IP65 with rubber plugs
- 10 ft bare leads power cable, Intel Wireless 802.11 ac/a/b/g/n
- Windows 10 Pro (Quad Core E3845 Processor)
iDimension Software Suite:
- Factory consultation required

Physical Dimensions:
- (L x W x H) 150 in x 150 in x 34 in

Construction:
- Aluminum and mild steel, powder coat paint

Power Requirements:
- Single power source (93-264 VAC), with 25 ft power cable

Operating Temperature:
- 14°F to 104°F (-10°C to 40°C)

Humidity:
- 0-90% non-condensing

Mechanical Environment Class:
- M1

Electromagnetic Class:
- E1

Warranty:
- Two-year limited warranty

Part Numbers/Price

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<th>PART #</th>
<th>DESCRIPTION</th>
<th>EST. SHIP WEIGHT</th>
<th>PRICE</th>
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<td>Systems</td>
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<tr>
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<td>iDimension 400, 8 ft x 8 ft x 8 ft x 0.5 in, NTEP Certified</td>
<td>290 lb</td>
<td>Consult</td>
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<tr>
<td>174131</td>
<td>25 ft AC power cord</td>
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<td>Consult</td>
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<tr>
<td>176019</td>
<td>20 in x 20 in x 20 in test box</td>
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<td>176256</td>
<td>JLT Model 1214 industrial mobile PC, required with 174894</td>
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<tr>
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<td>174383*</td>
<td>iDimension 400, 8 ft x 8 ft x 8 ft x 0.5 in NTEP frame and sensors</td>
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<th>Options</th>
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*Requires factory installation support and training on first installation of iDimension 400