

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

9-36VDC input, with RS-232, 12V 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

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
Systems			
174929*	iDimension 400, 8 ft x 8 ft x 8 ft x 0.5 in, NTEP Certified	290 lb	Consult
System Contents/Replacement Parts			
174131	25 ft AC power cord	—	Consult
176019	20 in x 20 in x 20 in test box	—	Consult
176256	JLT Model 1214 industrial mobile PC with VGA connector	—	Consult
174374	JLT Model 1214 AC power cord, required with 174894	—	Consult
174383*	iDimension 400, 8 ft x 8 ft x 8 ft x 0.5 in NTEP frame and sensors	290 lb	Consult
Options			
174132	50 ft AC power cord	—	Consult
174659	JLT Model 1214 industrial mobile PC with 12V forklift, no VGA	—	Consult
174659	JLT Mobile PC stand and forklift guard rail	—	Consult

*Requires factory installation support and training on first installation of iDimension 400