iDimension Plus Parcel Static Dimensioning System

Standard Features

- iDim Plus package 1 includes: base plate, telescoping pole assembly, touchscreen display, calibration object, US power cord, operating manual and assembly toolkit
- iDim Plus package 2 includes: package 1 components and a 150 lb Bench Pro shipping scale
- iDim Plus package 3 includes: dimensioning head (without pole), 10 ft Ethernet cable, USB display, calibration object, US power cord and operations manual
- No special package placement requirements
- Capable to dimension opaque packaging
- Measurement capabilities beyond Legal for Trade limits
- High resolution color image, 1920 × 1080 resolution color camera

Options

- iDimension SS (Software Suite)
- iDimension Desktop Wedge programs for data integration
- Wired or wireless USB barcode scanner
- Rice Lake BenchPro shipping/postal scales
- Rice Lake 680 and 1280 indicators available for automation applications

WARNING: Cancer and Reproductive Harm California Proposition 65

A Dimensioning System Like Never Before

Rice Lake's iDimension Plus is the best-in-class solution for measuring boxes, flats, polybags, tubes and irregular-shaped packages. iDimension Plus eliminates dimensional weight corrections and carrier fees by providing accurate dimension and weight calculations required by parcel and postal carriers.

Easy Setup

iDimension Plus uses a pre-assembled telescoping pole assembly with scanner height settings at 48 or 60 inches (1.2 or 1.5 meters) above a work surface. The second generation head is backward-compatible with the original pole assembly, making an easy upgrade path to take advantage of improved measuring capabilities. iDimension Plus is also available without a pole assembly for mounting the dimensioning head on a freestanding frame or existing structure.

Speed and Accuracy

Parcels are dimensioned faster and more accurately than manual measurements, eliminating the risk of human error while gaining efficiency and labor savings. With industry-leading speed, parcels are automatically measured within 0.2 inches (5 mm), with no need for special alignment or handling while placing a package under the dimensioner. iDimension Plus can dimension irregular-shaped packages such as cylinders, spheres, tubes, polybags and uneven shapes.

Innovative Technology

iDimension Plus uses the latest dimensioning technology coupled with industry-leading algorithms to deliver Legal for Trade dimensions in a fraction of a second. Using an attached BenchPro scale and RGB Assist mode, dimensions can be captured for envelopes, flats and small objects that fall below the 2.4-inch Legal for Trade limit. iDimension Plus comes standard with Ethernet TCP/IP, dual USB-A ports and Wi-Fi.

Operator Display

A 10-inch color touchscreen display provides instant feedback, with images, dimensions, weights and intuitive operator functions for day-to-day use.

Operating Versatility

iDimension Plus has automatic and manual trigger configurations. A small footprint and configurable scan area provide easy integration into any workspace.

Specifications

Power Requirements:
110 to 240 VAC

Communication Ports:
(2) USB A
(1) 10/100/1000 Base-T Ethernet
Wi-Fi 802.11 ac

Display:
10 in (254 mm) touchscreen monitor

Accuracy:
Certified Legal for Trade at 0.2 in (5 mm)

Software Integration:
Simple API network integration through HTTP requests, status checking and XML parsing

Temperature:
Certified: 32 °F to 95 °F (0 °C to 35 °C)

Humidity:
Non-condensing

Warranty:
Two-year limited

Approvals:
NTEP
OIML
CE
EU MID
FCC

Legal for Trade Minimum and Maximum Measurement Capability

Platform Distance	48 in (1.2 m)		1.5 m		2 m XL	
Min/Max*	Min	Max	Min	Max	Min	Max
Length	2.4 in (50 mm)	39 in (1,000 mm)	2.4 in (50 mm)	48 in (1,200 mm)	4 in (100 mm)	48 in (1,200 mm)
Width	2.4 in (50 mm)	24 in (600 mm)	2.4 in (50 mm)	32 in (800 mm)	4 in (100 mm)	32 in (800 mm)
Height	2.4 in (50 mm)	24 in (600 mm)	2.4 in (50 mm)	28 in (700 mm)	4 in (100 mm)	32 in (800 mm)
Division	0.2 in (5 mm)		0.2 in (5 mm)		0.5 in (10 mm)	
*With RGB assist enabled smaller measurements are possible						

# Largest Box Measurement Capability for Max Length vs. Max Height

32 × 20 × 28 in

48 × 32 × 4 in
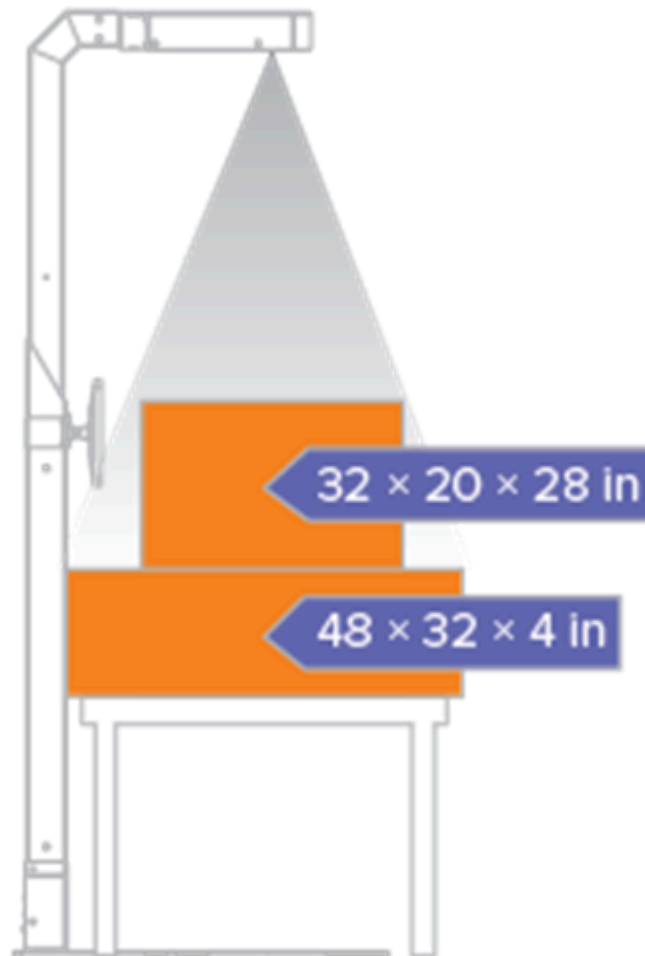
| Pole Assembly Height	Minimum LFT Box Size	Maximum LFT Box Size	
Largest Box with Max Height	48 in (1.2 m)	2.4 × 2.4 × 2.4 in (50 × 50 × 50 mm)	24 × 14 × 24 in (600 × 350 × 600 mm)
Largest Box with Max Height	48 in (1.2 m)	2.4 × 2.4 × 2.4 in (50 × 50 × 50 mm)	39 × 24 × 8 in (1,000 × 240 × 200 mm)
Largest Box with Max Height	60 in (1.5 m)	2.4 × 2.4 × 2.4 in (50 × 50 × 50 mm)	32 × 20 × 28 in (800 × 500 × 700 mm)
Largest Box with Max Height	60 in (1.5 m)	2.4 × 2.4 × 2.4 in (50 × 50 × 50 mm)	48 × 32 × 4 in (1,200 × 800 × 100 mm)

Portable Cart Dimensions
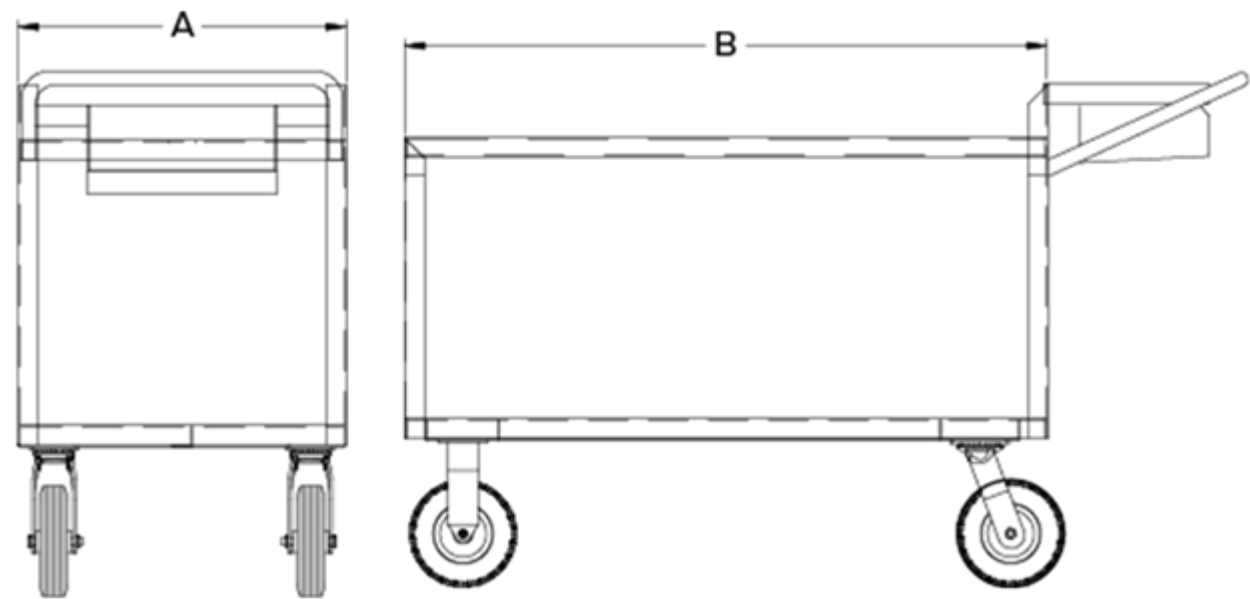
Portable Cart			
A	24.00 in (610 mm)	B	48.00 in (1,219 mm)

iDimension Plus Dimensions
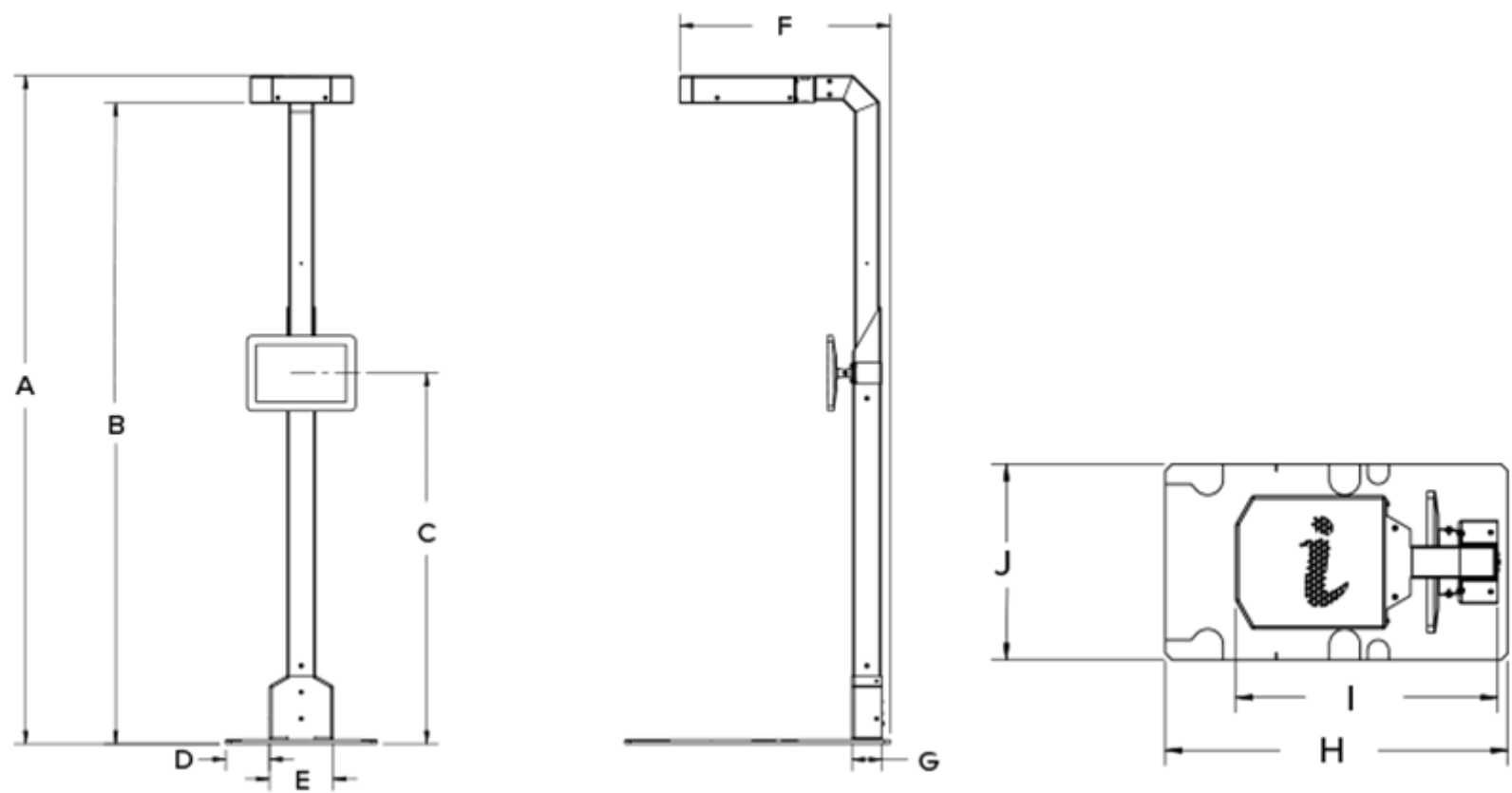
iDimension Plus				
A	63.10 in (1,603 mm)		F	19.85 in (504 mm)
B	60.50 in (1,537 mm)		G	2.84 in (72 mm)
C	35.00 in (889 mm)		H	25.00 in (635 mm)
D	4.13 in (105 mm)		I	19.10 in (485 mm)
E	6.00 in (152 mm)		J	14.25 in (362 mm)

iDimension Plus Scanning Head Assembly Dimensions
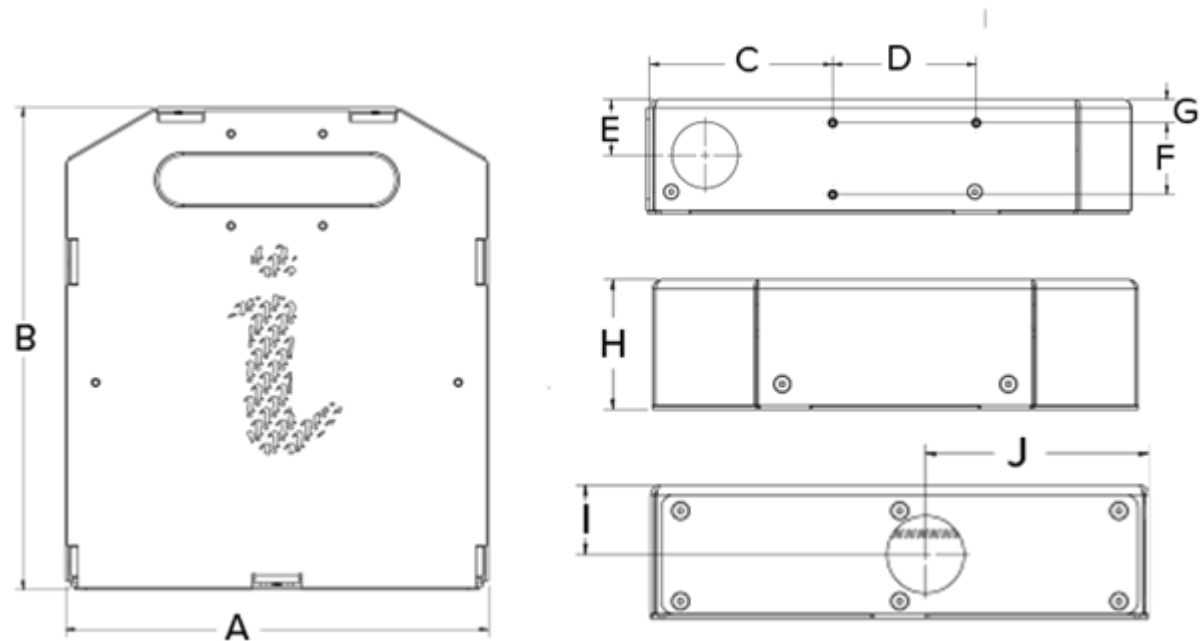
Dimensions					
A	9.66 in (229 mm)	E	1.25 in (51 mm)	I	1.35 in (114 mm)
B	10.99 in (216 mm)	F	1.62 in (15 mm)	J	4.33 in (38 mm)
C	4.14 in (183 mm)	G	0.52 in (41 mm)		
D	3.25 in (84 mm)	H	2.58 in (38 mm)		

Optional iDimension Plus Floor Mount Stand Assembly Dimensions

A

B

C
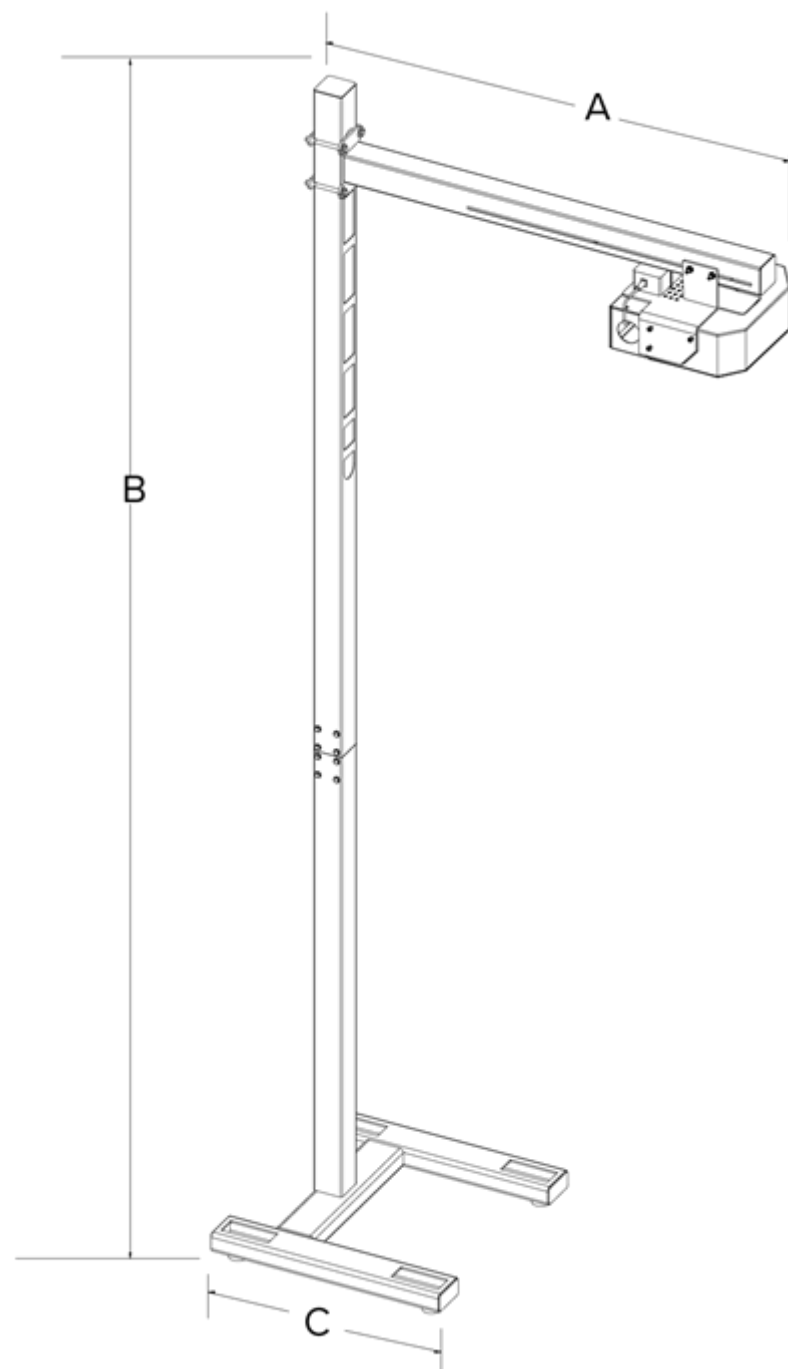
Dimensions	
A	47.34 in (1,202 mm)
B	123.13 in (3,128 mm)
C	24.21 in (615 mm)

iDimension Plus Mounting Bracket (pn 198708) Dimensions
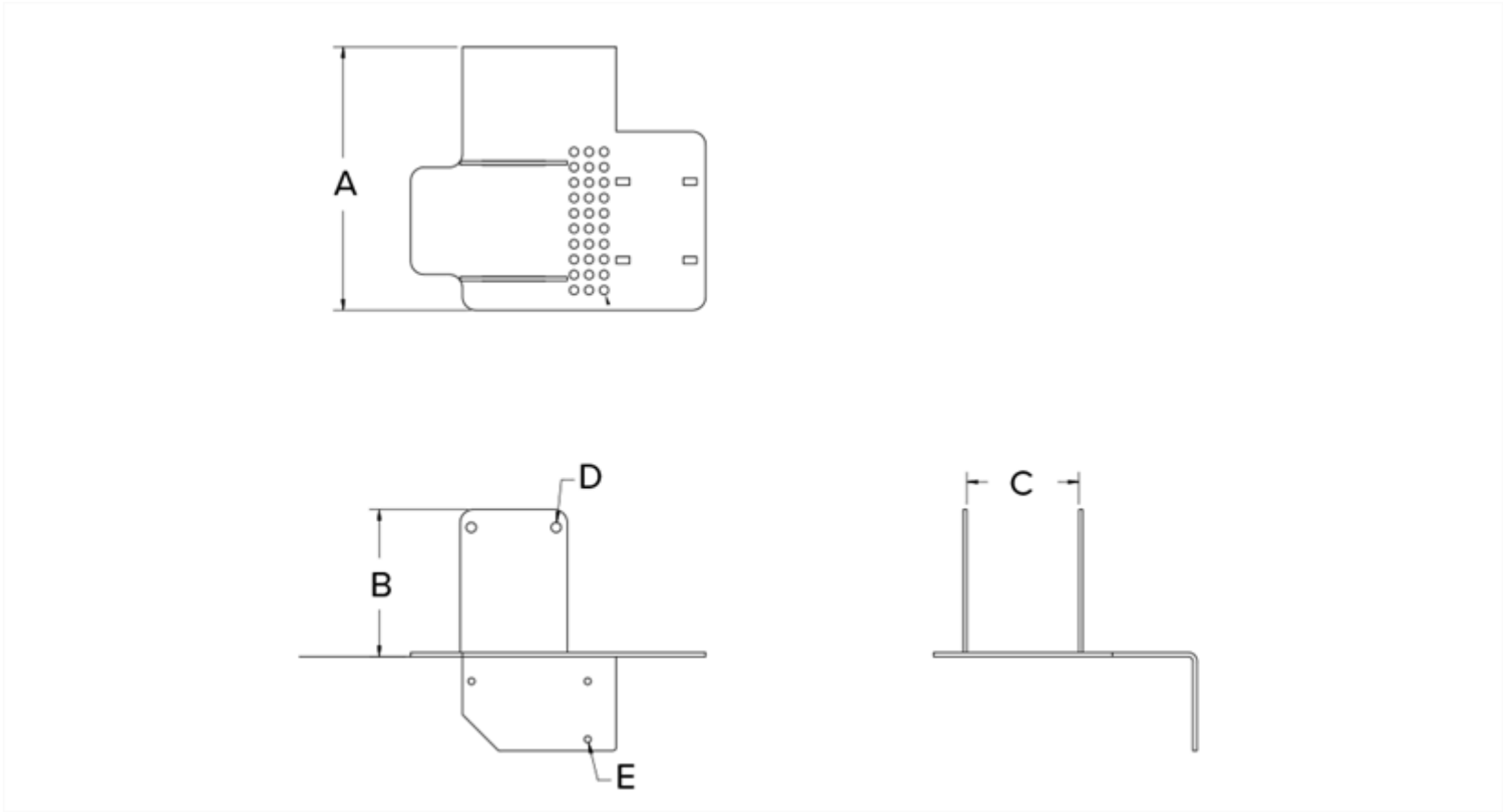
Dimensions

A	7.37 in (187 mm)	D	2× 0.28
B	4.12 in (105 mm)	E	3× 0.19
C	3.14 in (80 mm)		

Parts

Part #	Description
226071	iDimension Plus 2.0 w/ Adjustable Pole Mount System
226086	iDim Plus 2.0 kit, iDim Plus 2.0, Bench Pro 150lb shipping scale, Worldship cables
226070	Package 3 iDimension Plus without pole

Rice Lake BenchPro Compatible Scales

Part #	Description
194625	Scale,BenchPro BP-P 1214-70lb dual range mild painted cover w RS232 to USB adapter
184585	Scale,Bench Pro Series Model BP 1214-75S, 150 x 0.05lb/75 x 0.02kg, Black Powder Coat Mild Steel Weight Platter
202191	Scale,Bench Pro Series Model BP 1818-75S, 150 x 0.05lb/75 x 0.02kg, Mild Steel Painted Weight Platter, 18 x 18 inch for use with iDim Plus pole mounts
201730	Scale,Bench Pro Series Model BP 1818-75S, 150 x 0.05lb/75 x 0.02kg, Ball Top Weight Platter, 18 x 18 inch Dimensions, IDim Plus
202190	Scale,Bench Pro Series Model BP 1818-75S, 150 x 0.05lb/75 x 0.02kg, Roller Conveyor Platter, Weigh Platter, 18 x 18 inch for use with iDim Plus
182396	Scale,Bench Pro Series Model BP 2020-150S, 300 x 0.1 lb/150 x 0.05kg, Mild Steel Weight Platter, 20 x 20 inch Dimensions
182397	Scale,Bench Pro Series Model BP 2020-150S, 300 x 0.1 lb/150 x 0.05kg, Ball Top Weight Platter, 20 x 20 inch Dimensions
182398	Scale,Bench Pro Series Model BP 2020-150S, 300 x 0.1 lb/150 x 0.05kg, Roller Conveyor Weight Platter, 20 x 20 inch Dimensions
182400	Scale,Bench Pro Series Model BP 2424-150S, 300 x 0.1 lb/150 x 0.05kg, Mild Steel Weight Platter, 24 x 24 inch Dimensions
182401	Scale,Bench Pro Series Model BP 2424-150S, 300 x 0.1 lb/150 x 0.05kg, Ball Top Weight Platter, 24 x 24 inch Dimensions
182402	Scale,Bench Pro Series Model BP 2424-150S, 300 x 0.1 lb/150 x 0.05kg, Roller Conveyor Weight Platter, 24 x 24 inch Dimensions

Options

Part #	Description

Kit Mounting Options

Part #	Description
174660	Floor Stand, iDimension 100/300/IQV/Plus, comes with Installation Kit (206583) and Mounting Kit for USB Display (184262).
198708	Installation Kit,iDim XL Plus hardware and cable assembly kit
206583	Installation Kit,iDim XL Plus hardware and cable assembly kit, Intl w/no US power cord
184262	iDim Plus XL,Stand Mount Kit for USB display and 380/680/682 indicator

Accessories

Part #	Description
225778	iDim Plus Mobile Cart 48 inch long, 1000lb capacity, power source not included
225776	iDimension Plus Mobile, 1500W Power Station, 30Ah battery, 3-120VAC outlets
180007	USB hub, Kit Includes USB Hub, 5M cable, power adapter, North America
222125	Power Cord,90 CEE 7/4 C13, 2.5M length power cord
95589	Power Cord,Detachable BS 1363 (UK) Molded Plug To IEC 320-13 (CEE 22 Standard V) Molded Connector 8.2 ft (2.5 Meters) Harmonized 13 Amp
162630	Power Cord,AS/NZS 3112 230VAC Australian Molded Plug to Pluggable C13, 8ft, 2.5m
178501	Adapter,USB Serial FTDI US232R-100, 3.28 ft, iDim Series for use with RLWS indicator and Postal Scales
180771	Kit,iDim 100 cable assemblies, USB Hub for Worldship Interface

Barcode Scanner

Part #	Description
225020	Scanner,Quickscan QD2590 Scanner, Quickscan QD2590 with USB cable
206225	Scanner,Wireless Barcode Longe range, Honeywell 1991XLR-3USB-5-N

Part #	Description
206228	Power Supply,Honeywell scanner, PS-05-1000W-A6

Optional Integration Solutions

203010	iDimension Desktop Wedge for Windows PC. Download available at www.ricelake.com
225287	Cable, USB Null Modem Male A to Male A, 2.5m
175812	Software,iDimension SS Webserver, database collection and integration program

Factory Service and Support

202027	Support,Remote, Level 1 iDimension Plus configuration and scale setup
224425	License Fee, Qubevu Parcel Dimensioning software

Extended Warranty - Two-year standard

202030	iDimension Plus Extended Warranty Year 3

www.ricelake.com | 800-472-6703