

Dimension[®] Plus

DIMENSIONING SYSTEMS



RICE LAKE[®]
WEIGHING SYSTEMS

www.ricelake.com

A New Era of Shipping

Rice Lake's iDimension Plus is the fastest static solution for calculating dimensions of boxes, flats, polybags, tubes and irregular-shaped packages. The iDimension Plus eliminates revenue loss by providing accurate dimension and weight calculations required by parcel and postal carriers. Users can truly plug and play with the iDimension Plus—simply open and assemble to instantly display dimensions.

Easy Setup

Users can begin using the iDimension Plus within 30 minutes of unboxing with an easy-to-use setup wizard. Connect to the web-based interface to harness advanced configuration and communication settings—no additional software installation is required.

Speed and Accuracy

Parcels are dimensioned faster and more accurately than manual measurements, eliminating the risk of human error. In an industry-leading 0,2 seconds, parcels are automatically calculated within 5 mm, providing maximum throughput by requiring no need for special alignment or handling while placing a package. Irregular-shaped packages like cylinders, spheres, tubes, polybags and uneven shapes are calculated within +/- 10 mm.



INNOVATIVE TECHNOLOGY

The iDimension Plus uses multiple patented 3D-imaging technologies with advanced algorithms to optimize time and throughput for static outbound shipments. For objects under 30 mm, unique flat-detection technology measures and weighs envelopes and small packages. Each dimension provides an overhead image for use during claim disputes on damaged packages. Optional high resolution 4K image is available.

OPERATOR DISPLAY

A color touchscreen display provides instant feedback, an image, measurements, weight and operator functions for day-to-day use.

OPERATING VERSATILITY

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





iDimension® Plus XL

The iDimension Plus XL is specifically designed for integrators to provide flexibility in the installation of a dimensioning solution. It can be installed anywhere over a conveyor, table or scale from a pole, ceiling mount or support beam. This model includes all the great features of the iDimension Plus, with added flexibility to mount the scanning head at 1,5 meters and 2 meters.

The iDimension Plus XL has the option for a powered USB hub for use of more than one peripheral and UPS WorldShip interface. There is also an optional USB barcode scanner with keyboard wedge emulation which will manually trigger dimensioning and add barcode text data into web service API.



Motoweigh Roller Top Scale System

The Motoweigh Roller Top Scale has integrated overload protection, 4 load cells, mild steel powder-coated frame, non-powder-coated rollers and 50 x 0,02 kilogram capacity and resolution. With the flexibility of the iDimension Plus XL, you can pair together to help improve the process of your existing workflow. Dimension and weigh each package in less than 1 second.





Peripherals

Connect the iDimension Plus to a shipping scale to add weight for each dimension. Users may also connect the iDimension Plus to a USB barcode scanner with a wedge emulation to manually trigger dimensioning and add barcode text data.

Software Integration

As a network device, the iDimension Plus' and Plus XL's simple, open-web service API and SDKs can capture dimensions, weight and images of the item.

The iDimension Plus also provides TCP/IP, keyboard wedge software and data extraction modes as methods for integration into existing ERP, TMS and WMS systems.

Install iDimension SS web server software anywhere on a network PC or server to trigger any iDimension product over the network using our simple Rest API or with a TCP/IP barcode scanner.

Add a TCP/IP label printer to print data collected, such as weight, dimension, identification number and configurable user fields.

SPECIFICATIONS

POWER REQUIREMENTS:	Single power source 110-240 V external power supply, power cord
OBJECT COLORS:	All opaque packaging
MEASUREMENT TIME:	0,2 seconds, scale settling times may vary by scale
DISPLAY:	178 mm projected capacitive touchscreen
OPERATING TEMPERATURE:	0° C to 40° C
HUMIDITY:	Non-condensing
MECHANICAL ENVIRONMENT CLASS:	M1
ELECTROMAGNETIC CLASS:	E1
I/O PORTS:	(1) USB type A port (1) 10/100/1000 BASE-T Ethernet port (interface to PC)
PACKAGE CONTENTS:	iDimension Plus, calibration object, operator display and power cord
WARRANTY:	Two-year limited warranty

APPROVALS



Shipping Software and WMS Interface

The iDimension Plus is compatible with popular shipping programs, including UPS WorldShip®. Contact Dini Argeo to learn about other compatible software programs.

Measuring Capabilities

Unit of measure: Centimeters

200 (platform distance)			
Height	MAXIMUM DIMENSION		
	Length	Width	
10	120	80	
15	120	80	
20	120	80	
25	120	80	
30	120	80	
35	120	80	
40	120	80	
45	120	80	
50	120	80	
55	120	80	
60	120	80	
65	120	79	
70	120	76	
75	120	73	
80	120	70	

150 (platform distance)			
Height	MAXIMUM DIMENSION		
	Length	Width	
5	120	80	
10	120	80	
15	120	79	
20	120	76	
25	120	73	
30	120	70	
35	115	67	
40	110	64	
45	105	61	
50	100	58	
55	95	55	
60	90	53	
65	85	50	
70	80	47	

120 (platform distance)			
Height	MAXIMUM DIMENSION		
	Length	Width	
5	100	60	
10	100	60	
15	100	60	
20	100	58	
25	95	55	
30	90	53	
35	85	50	
40	80	47	
45	75	44	
50	70	41	
55	65	38	
60	60	35	