VM606

Dual Dimensioners Mobile Dimensioning Cart for Online shopping & Cosmeceutical warehouses

SCANTECH ID®
CHAMPTEK Group

Introduction

The VM606 measuring cart is specially designed for online shopping e-commerce, pharmaceutical and cosmetic warehouses.
It can measure dimension and weight for tiny objects with transparent and light packing to medium size even large package parcel.
The cart consists of a long work desk that accommodates a dual dimensioning head on a T-shaped frame station and other hardware including a transparent 80cm X 50cm rack, two weighing scales, a barcode scanner, printer (optional) and portable power system (optional), which enables 12+ hours working shifts.
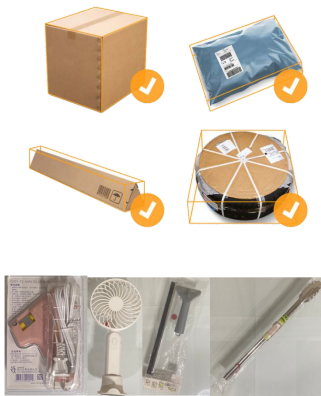
Regular and irregular-shaped parcels are automatically calculated. Its daily measurement data or snapshot can be online transmitted to a designated host simultaneously or by set schedule.The VM606 series is an advanced dimensioning system that quickly and accurately measures parcels in high-volume shipping applications. With its 3D-imaging technologies and advanced algorithms to optimize time and throughput for static outbound shipments for small to medium-sized operations.

You can do local setup and daily operation by its touchscreen; or you can do remote configuration and measurement by access its built-in web-based tool from an Ethernet connection host. You can set up a schedule to transmit daily measurement data and snapshot to a designated host. It supports various automatic and manual measurement modes, its measurement process takes about one second with no specific orientation needed within the measurement area. Parcels and irregular-shaped packages like cylinders, spheres, tubes, polybags and uneven shapes are automatically calculated, eliminating the risk for human error. Each dimension provides an overhead image for use during claim disputes on damaged packages.

Features

- Dual dimensioning stations each station has 1 dimensioning camera and a weighing scale; one station is measuring short height or transparent packing small parcels, another one is small to medium size parcels. It is suitable for online shopping warehouse application.

- Requires virtually no special alignment or special handling while placing a package to increase throughput with adjustable scan zone and area of interest.

- Instantly measure standard and irregular shaped parcels with precision.

- Supports various configurable measuring ways, automatic, manual, barcode scanner or weighing scale triggering measurement.

- Its daily measurement data or snapshot can be transmitted to a designated host by a pre-set schedule or manually.

- No additional installation of software required on your PC. When connected to a network via static IP or DHCP, you can access its built-in web-based tool to do remote configuration, monitoring and measurement.

- VM606 Including a big mobile cart, dual 3D volume measuring cameras, 2 weighing scale, a transparent bracket, a 2D barcode scanner, a 10" touch display and a height adjustable stand (camera height 70cm/95cm/120cm), optional: thermal printer.
Due to battery's certificates varied by country, we suggest you to purchase the portable battery locally if needed on your own .
- Built in both volume measuring and remote management software.

VM606

Camera 2   Camera 1

Measurement Range

Camera 1 (Small/Tiny/Transparent packing objects)	Description	Object Height (cm)	Maximum Length (cm)	Maximum Width (cm)
	Dimension	0	75	45
		10	65	40
		20	55	35
		30	40	25
	Minimum	0~0.5cm, output 0.5cm / 0.5~1cm, output 1cm	2.54	2.54
	Maximum	30	40	25
Camera 2 (Regular, Standard, Medium size objects)	Description	Object Height (cm)	Maximum Length (cm)	Maximum Width (cm)
	Dimension	5	105	65
		15	95	55
		30	75	45
		50	50	30
	Minimum	5	8	8
	Maximum	35	70	40

Specification

• Physical Characteristics

VM606 camera1 (WxLxH)	160 x 138 x 53 mm
Full assembly with Stand	TBD
VM606 camera1 (weight)	725 g (25.57 oz)
Full assembly with Stand	TBD

• Electrical Characteristics

Input voltage	DC 12V
Power consumption (Typ.)	600mA operating

• I/O Ports

USB 3.0 Type A (Host) x 3
USB 3.0 Type C (Device) x 1
HDMI x 1
Ethernet port x1
Power jack port x 1

• Environmental Specifications

Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Relative humidity	0 to 70% relative humidity, non condensing
Ambient light	0 to 10000 lux, avoid direct sunlight
Sealing protection	IP42

• Performance Specifications

Field of view	Horizontal 74°, Vertical 50°
Shape	Cubic, cuboidal and irregular shapes
Accuracy	d=0.5, less than ±0.5cm deviation / irregular d=1
Measurement time	Less than 1 second
Texture	All opaque packaging , except very glossy and transparent

• Measurement surface

The background should have a contrasting color for items to be dimensioned, avoid over polished or glossy surfaces for best performance

• Indicator

Beep and LED

VMScan
Device: VM600   IP: 192.168.1.92

Initial Setup

Start measuring

Demo display

Suspend

VMScan

| Device Info | View Eula | About | Home | Date-Time: 2024-09-02 14:28:48 |

Barcode: 06SP0254

Unit: cm   ✓ Small   ☐ S-Bottle

Length: 22.6
Width: 11.0
Height: 7.4
L+W+H: 41.0
Volume: 1839.64

*Weight Factor: 5000   Weight Unit: kg
*DIM Weight: 0.37
Scale Weight: 0.140   kg

Remove

*Volume and Dimensional Weight outputs are for information only and are not certified measurements.
*Dimensional weight will be BLANK if no weight factor is set.