VM200/VM100

Volume and Multi-dimensional Measurement Reader

SCANTECH ID®
CHAMPTEK Group

Introduction

Scantech-ID's VM200/100 is a compact and robust handheld multi-dimensional measuring device, its intuitive reading, unmatched fact performance and optimal price make it the best choice in the market.

VM200/100 is a easily carry device, with its intelligent reading zone detection and smart guiding aimer will indicate a continuous beep with flashing red LED to alarm when no object is inside the good reading zone which leads customers measure very quickly. Furthermore, with its configurable buttons allow the operation flow best fit the application that enables customers to optimize various multi-dimensional measurement applications, quickly and effectively.

Whether it is a courier and express delivery company, a post office, a shipping station, a retail ship-from-store location, an airport check-in counter, an inbound station of a warehouse, the VM200/100 system provides an efficient way to achieve quick measuring and space optimization. The VM200/100 system instantly and accurately measure the dimensions of an object. This optimally priced dimensioning device provides quick return on investment for applications where the previous alternative was a tape or a ruler measure. Manual tape measurements resulted in lower accuracy, inconsistency and reduced productivity. VM200 built in both 2D barcode and 3D measurement readers, make it a compact device to support multiple functions application and save customer's deployment space.
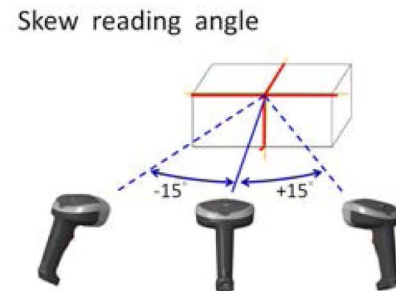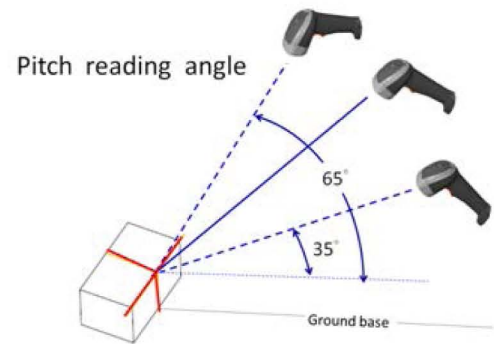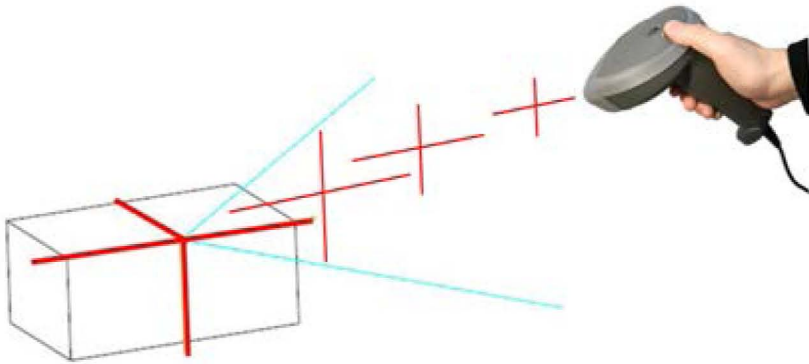
The VM200/100 device increases accuracy, consistency and user productivity in various applications – increasing revenue capture, reducing shipping chargebacks and throughput bottlenecks, and optimizing storage space, workflow and load planning. VM200/100 is a must-have and best choice for companies looking to measure packages, cartons, luggage and objects to optimize its workload, workflow and space.

Features

- Easily handheld and carry
- No extra ruler and no self pre-calibration needed
- Intelligent reading zone detection and patenting smart guiding aimer leads the measuring very quickly
- Intuitive reading and unmatched fact performance
- Multi-function reader: 3D volume measurement and (optional) 2D Barcode reader in a device
- Data output : W-H-L, sum dimension and volume data, dimensional weight , optional barcode
- Measurement time: less than 1 second

- Min. cube: 10cm , Max. cube: 90cm
- Accuracy: less than 3% deviation
- Ambient lighting: 0 to 15000 Lux. , avoid direct sunlight
- Package color: all opaque packaging except whole black and transparent
- 2 buttons consist in 4 optional operation settings to well fit your application
- Communication interface: USB or RS-232
- Tools and command protocol

VM200/VM100

The smart "+" guiding aimer

Pitch reading angle

65°

35°

Ground base

Skew reading angle

-15° +15°

Specification

● Physical Characteristics

Physical Dimensions	
VM200/100 (WxLxH)	W11.5 x H7 x L18 cm
	(W3.45 x H2.1 x L5.4 inches)
Weight (g/oz)	270 g (9.52 oz)

● Electrical Characteristics

Input Voltage	DC 5V
Host System Interface	USB or RS-232 wired cable

● Aimer Specifications

Wavelength	650±10nm Red VLD IEC
Classification	60825-1:2014 Class 1

● Environmental Specifications

Operating Temperature	-10℃ to 50℃ (14°F to 122°F)
Storage Temperature	-20℃ to 70℃ (-4°F to 158°F)
Relative Humidity	0 to 95% relative humidity, non-condensing
Ambient light	0 to 15000 lux, avoid direct sunlight
Sealing protection	IP54

● Performance Specifications

Field of view	Horizontal 52°, Vertical 30°
Shape	Cubic and rectangular package / carton
Accuracy	Less than 3% deviation
Measurement time	Less than 1 second
Object size	
Min. cube	10 cm / 0.394 inches cube
Max. cube Object	90 cm / 35.4 inches cube
Color	All opaque packaging except black and transparent
Measurement angle	Pitch: 35° ~ 65°, Skew : ± 15°
Measurement surface	Avoid to put the box in the background whose color is too close to the box's color, avoid transparent background
Indicator	Beep and LED (Green, Red and Orange)
2D barcode reader	Built in VM200 , not in VM100
Certification	Apply OIML and NTEP certification

● Tools and SDK

Configuration tool	VMSet
Data viewer tool	VMView and sample code
SDK	Communication command protocol

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change

ICS

ΚΑΡΑΦΥΛΛΗΣ ΣΥΣΤΗΜΑΤΑ ΠΛΗΡΟΦΟΡΙΚΗΣ