



# VM200/VM100

## Volume and Multi-dimensional Measurement Reader

SCANTECH ID<sup>®</sup>  
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 smart guiding aimer leads customer quickly measure and with its configurable buttons allow the operation flow best fit the application that enables companies 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-fromstore 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 system 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.

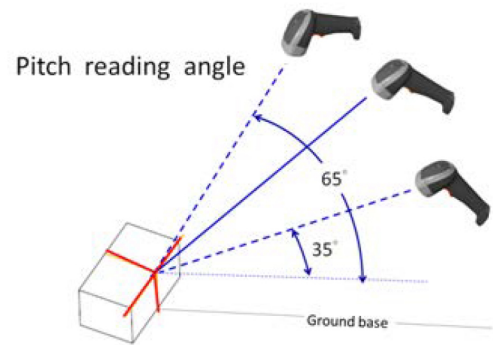
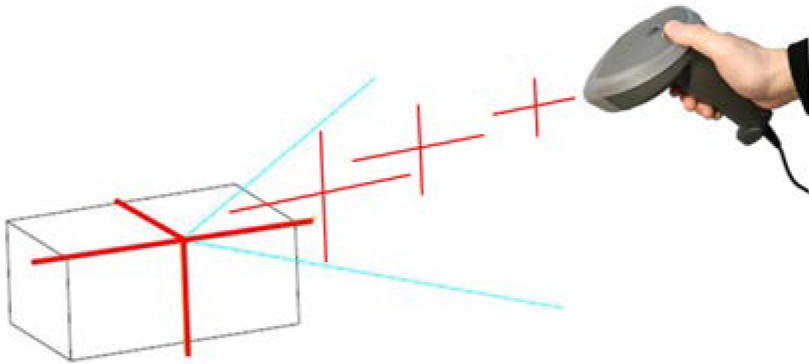
The VM200/100 device increases accuracy, consistency and user productivity in various applications – increasing revenue capture, reducing shipping chargebacks and throughput bottlenecks, and optimizing storage space, workflow and load planning. VM200/100 is a must-have and best choice for companies looking to measure packages, cartons, luggage and objects to optimize its workload, workflow and space.

### Features

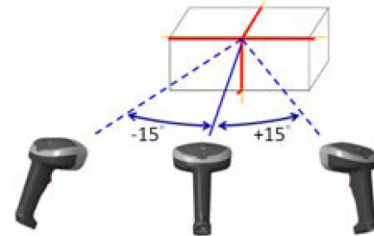
- Easily handheld and carry
- No extra ruler and no pre-calibration needed
- Patenting smart guiding aimer to quickly lead the measured object inside field of view
- Intuitive reading and unmatched fact performance
- Multi-function reader: 3D volume measurement and (optional) 2D Barcode reader in a device
- Data output : Volume and W-H-L dimension 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 setting to well fit your application
- Communication interface: USB or RS-232 Tools and command protocol

# VM200/VM100

The smart “+” guiding aimer



Skew reading angle



## 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°C to 50°C (14°F to 122°F)

Storage Temperature -20°C to 70°C (-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 Champstek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change