

# RIEGL

# VMX<sup>®</sup>-2HA

## Basic Configuration



The **RIEGL VMX-2HA-BC** (Basic Configuration) is a High Speed, High Performance Dual Scanner Mobile Mapping System which provides dense, accurate, and feature-rich data at highway speeds.

With 3.6 million measurements and 500 scan lines per second, this turn-key solution is ideally suited for survey-grade mobile mapping applications.

This powerful technology comprises two **RIEGL VUX-1HA<sup>22</sup>** High Accuracy LiDAR Sensors and a high performance INS/GNSS unit, housed in an aerodynamically-shaped protective cover. The VMX-2HA-BC can be equipped with a spherical camera system optionally.



## High Speed, High Performance Dual Scanner Mobile Mapping System

### Typical Applications

• Transportation Infrastructure Mapping • HD mapping for autonomous vehicles • Road Surface Measurement • Rapid Capture of Construction Sites and Bulk Material • City Modeling • Open-Pit Mine Surveying • GIS Mapping and Asset Management • As-Built Surveying



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at a glance

RIEGL VMX-2HA-BC

## RIEGL VMX-2HA-BC Key Features

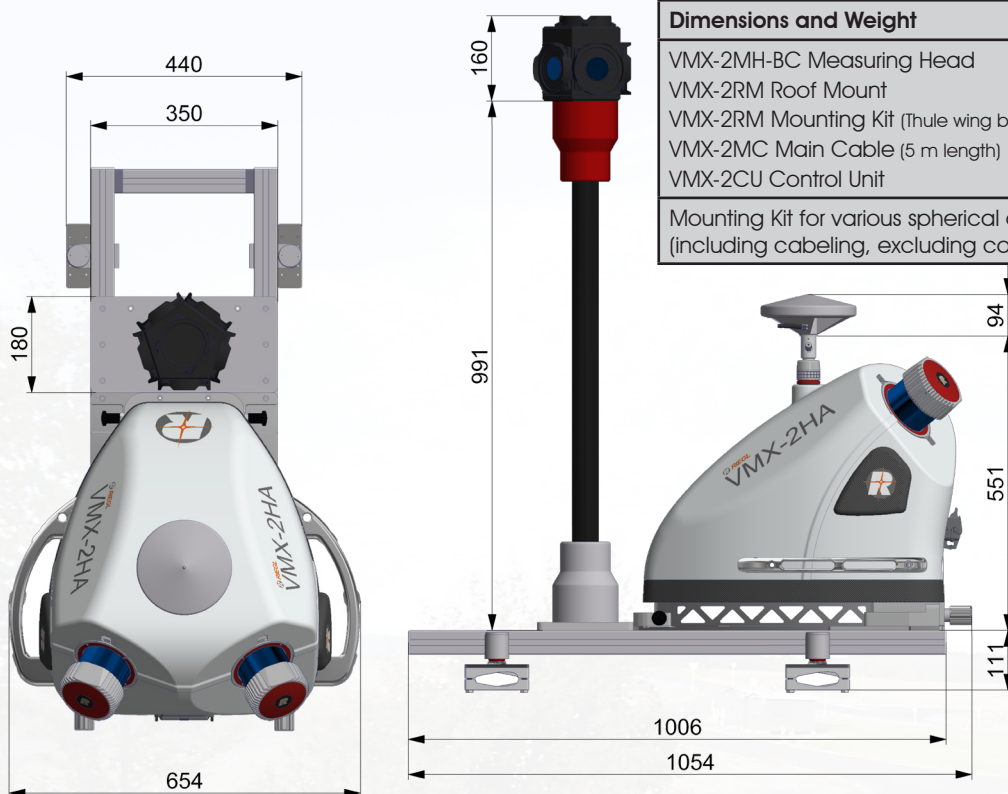
The *RIEGL VMX-2HA-BC* (Basic Configuration) delivers utmost scanning performance without compromises.

The *RIEGL VMX-2HA-BC* comes as a version of the *RIEGL VMX-2HA* reduced in weight and size, focusing on high-end scanning performance. It can be complemented with an optional spherical camera imaging system up to 72 MP.



RIEGL VMX-2HA-BC in action

## RIEGL VMX-2HA-BC Dimensions and Weight



Dimensions and Weight	Weight (approx.)
VMX-2MH-BC Measuring Head	33 kg
VMX-2RM Roof Mount	12.5 kg
VMX-2RM Mounting Kit (Thule wing bars with Thule mountings)	4.8 kg
VMX-2MC Main Cable (5 m length)	5 kg
VMX-2CU Control Unit	25 kg
Mounting Kit for various spherical cameras (including cabling, excluding camera)	5.8 kg

all dimensions in mm

## RIEGL VMX-2HA

Like the *RIEGL VMX-2HA-BC* the *VMX-2HA* High Speed, High Performance Dual Scanner Mobile Mapping System provides dense, accurate, and feature-rich data at highway speeds. In addition to the sophisticated technical performance in laser scanning, the *VMX-2HA* provides a combination of up to 9 different cameras (including a spherical camera up to 72 MP and 5 MP/12 MP/24 MP *RIEGL* cameras with minimal lens distortion) to allow perfect adaptation of the camera configuration to the respective customer's task. A high-speed 10 GigE link takes care for the reliable data acquisition of up to 3.6 million measurements per second as well as of the image data of all integrated cameras.

Technical Details to be found in the latest *RIEGL VMX-2HA* brochure.



RIEGL VMX-2HA  
Brochure



Watch our videos!  
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