

NEW RIEGL

VMX[®]-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 2 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** 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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RIEGL VMX-2HA-BC Key Features

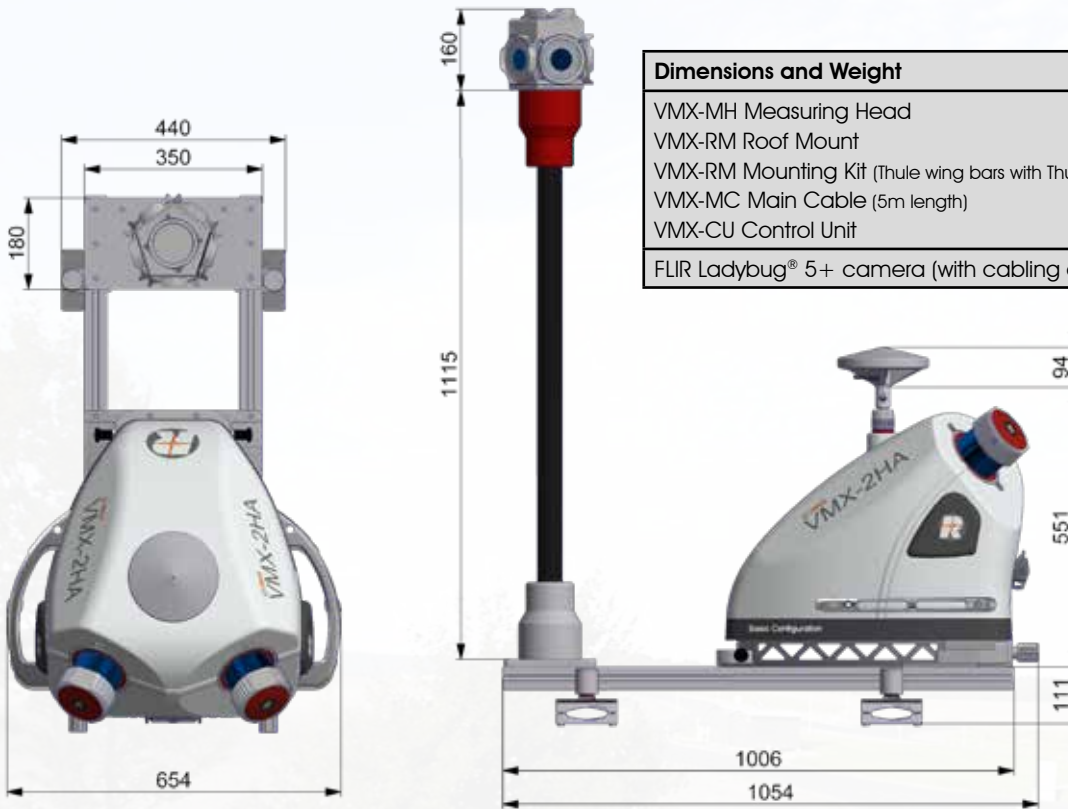
The RIEGL VMX-2HA-BC (Basic Configuration) delivers utmost scanning performance without compromises.

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 imaging system such as FLIR Ladybug® 5+ camera.



RIEGL VMX-2HA-BC in action

RIEGL VMX-2HA-BC Dimensions and Weight



Dimensions and Weight	Weight (approx.)
VMX-MH Measuring Head	33 kg
VMX-RM Roof Mount	12.5 kg
VMX-RM Mounting Kit (Thule wing bars with Thule mountings)	4.8 kg
VMX-MC Main Cable (5m length)	5 kg
VMX-CU Control Unit	25 kg
FLIR Ladybug® 5+ camera (with cabling and mounting)	9 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 the panorama camera FLIR Ladybug® 5+ and 5MP/9MP/12MP RIEGL cameras with minimal lens distortion) to allow perfect adaptation of the camera configuration to the respective customer's task. A high-speed 10GigE link takes care for the reliable data acquisition of up to 2 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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