



MAVERICK

PORTABLE

Weighing in at less than 20 pounds, Maverick can be both installed and removed by a single individual. Maverick is easily mounted on a variety of platforms, including vehicles, ATVs/UTVs, Segways, trains, and backpacks. The portable system is able to operate in a wide range of conditions and can be utilized for projects of any size and scope.

POWERFUL

Combining high-resolution 360° imaging, high-definition LiDAR, and an integrated position and orientation system, the Maverick delivers impressive and accurate mobile data. Maverick collects up to 700,000 data points per second, and captures high-resolution images using six high-quality 5MP sensors. The Maverick comes packaged with real-time data display and feedback, along with Distillery software to provide imaging, LiDAR, and GPS post-processing.

PROVEN

Created by Mandli Communications, Inc., an industry leader in mobile data collection, Maverick was developed to fill the need in the industry for a portable and powerful mobile mapping unit. Maverick provides a robust and multi-functional dataset that can be utilized for a wide range of projects and applications. To date, Maverick has collected data in the industries of transportation safety, construction, asset management, rail, utilities, and 3D modeling.



TRANSPORTATION SAFETY • CONSTRUCTION • ROADWAY ASSETS • RAIL • UTILITIES • 3D MODELING



Learn more at mandli.com/maverick

SPECIFICATIONS

SYSTEM			
Operating Temperature	32° to 110° F (0° to 43° C)	Power Supply	12V – 36V DC
Dimensions	13.60" x 8.50" x 14.28" (34.4 cm x 21.6 cm x 36.3 cm)	Weight	19.5 lbs (8.85 kg)
Mount	Mount bolts to existing roof racks (four 1/4" screws) or quick release installation specific vehicle mount options available		
LASER COMPONENTS			
Type	Velodyne HDL-32	Laser/Detector Pairs	32
Vertical Field-of-View	+10° to -30°	Horizontal Field-of-View	360°
Accuracy	2 cm (one sigma at 25m)	Output	Up to 700,000 points/second
Safety	Class 1, eye-safe		
IMAGING COMPONENTS			
Type	Ladybug 5	Megapixels	30 MP (5MP x 6 sensors)
Imaging Sensor	Sony ICX655 CCD x 6, 2/3"	Optics	6 high-quality 4.4mm focal length lenses
Field-of-View	90% of full sphere	Spherical Distance	Calibrated from 2m to infinity
Focal Distance	~200cm. Objects have an acceptable sharpness from ~60cm to infinity		
POSITIONING COMPONENTS			
Type	Novatel SPAN-IGM-S1 (novatel.com)		
INTEGRATED SOFTWARE			
Collection & Viewing	Real-time web-based data display and feedback; moving map display; accessible by any device with a WIFI connection		
Distillery	Image, LiDAR, and GPS post-processing software; flexible data format output that can be imported into third-party cloud and asset management software		
SHIPPING CASE			
Type	Durable, custom-designed shipping case	Dimensions	22" x 18" x 10" (55.9cm x 45.7 cm x 25.4 cm)
Shipping Weight	Under 40 pounds (18.14 kg) packed		
PRICING INFORMATION			
Maverick System	\$275,000.00 (includes shipping case and spare drives)	Vehicle Mounts MAMA LUNAR LANDER	\$15,000.00 \$7,500.00
Backpack Mount	\$10,000.00	Customized Mounts (ATV, Segway, Rail car, etc.)	Price available on request.

*The suggested retail prices listed are intended to give a general idea of what items may cost. Actual pricing may vary and will be determined through consultation with a Maverick Sales Account Manager.