

# NavVis VLX

## 2nd generation

### Physical

Design	Wearable
Dimensions (H × W × L)	108 × 33 × 56 cm
Weight	8.7 kg
Frame	Powder coated & anodized aluminum, carbon frame

### System operation

Batteries	2 × 2 Li-ion V-Mount Micro, hot swappable
Operating time	1.5 hours (with 1 set of 2 batteries)
Storage	Portable SSD with 1 TB storage
Sensors	WiFi, Bluetooth, IMU
Field of view	360° horizontal, 360° vertical

### Laser Scanners

Number of laser scanners	2 × 16-layer
Laser class	1, eye-safe per IEC 60825-1:2007 & 2014
Wavelength	903 nm
Range	Max. 100 m
Points per second	2 × 300,000

### Cameras

Number of cameras	4
Image resolution	4 × 20 megapixel
Focus	Fixed
Lens	Fisheye, 3.3 mm, aperture f/2.4

### Accuracy

Accuracy of point cloud	6 mm in a dedicated test environment of 500 m <sup>2</sup> <sup>(1)</sup>
Control point support	Ground and wall

### Output

Images	JPEG
Point cloud	E57, LAS, PTS, XYZ, PLY

### Environment

Operating temperature	0°C to 35°C extended temperature range -10° to 40° <sup>(2)</sup>
Operating environment	Indoor and outdoor urban environments
IP classification	IP 42

### Display

Type	AMOLED capacitive multi-touch display
Size	5.5"
Resolution	1080 × 1920

### Transport Case

Dimensions (H × W × L)	43 × 54 × 82 cm
Weight (fully equipped)	24.8 kg
Weight (excluding batteries)	22.6 kg

<sup>(1)</sup> All accuracy statements are 1 sigma. More details on the dedicated environment and accuracy metric can be found in our whitepaper ([navvis.com/accuracy](http://navvis.com/accuracy))

<sup>(2)</sup> may required warm up / cool down times