New Product

3D Scanner 3DSL-Vega

Wireless All-In-One Handy Scanner
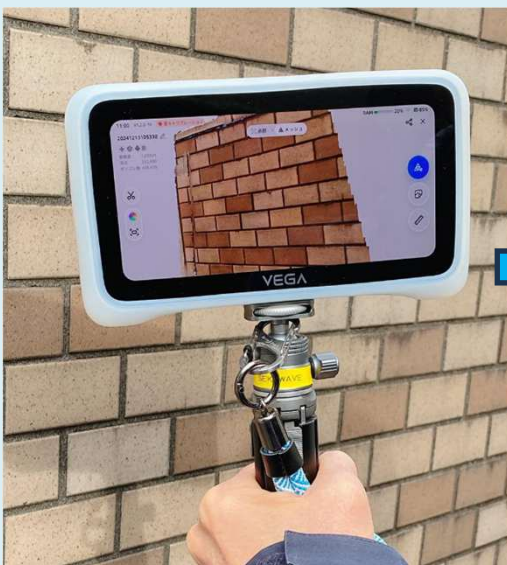
- <mark>No PC required to operate</mark>
- <mark>Scannable under sunlight</mark>
- 3D data generation on your hand
  - ✓ Full-color 3D data
- Selectable resolution
  - ✓ 0.1mm ~ 10mm
- WiFi/USB-C to connecto to PC
  - ✓ Data transfer to PC
  - ✓ Data analysis on PC
- Touchpanel color display
  - ✓ 2K AMOLED, 6.4"
- 512GB SSD, Battery built-in
  - ✓ Upto one hour to operate
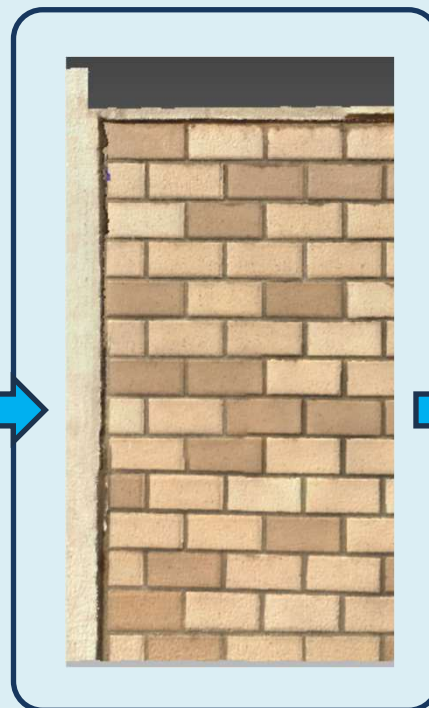 - ✓ Extended hours by a mobile battery

Easy and quick scan in the field

Operation scene

While watching the scanner display, measure the desired area. The trick is to move slowly.
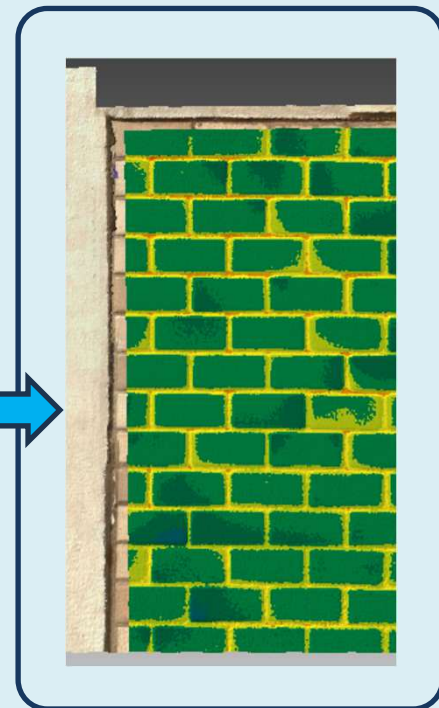
Full-color 3D data

Analysis result by POLYGONALmeister®

<mark>※ Note: The contents of this document may be subject to change in the future.</mark>

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Features

- Uses infrared random pattern projection method (laser, class 1)
- Measurement time: 50cm x 50cm, 1mm pitch => Full color 3D data generation completed in 3 minutes
- User can select HD mode or Fast mode depending on the size of the target object and the required resolutio
- PC application StarVision software is included as standard (meshing, PLY file creation, etc.)
- Lineup of analysis and evaluation software
    - ・POLYGONALmeister® (for unevenness analysis) (standard software)
    - ・uni-Fitness® (WES2820, API-579 / ASME FFS-1)) (sold separately)
- Applications: Surface damage measurement of bridges, pressure vessels, steel structures, concrete structures, etc., recording of aging changes, etc.

Specifications

Items	HD-mode	Fast-mode
Typical target size	210mm x 300mm	420mm x 600mm
Point cloud resolution	0.1mm ~ 3mm	0.5mm ~ 10mm
Distance to target	100mm ~ 250mm	350mm ~ 1,500mm
Alignment modes	・Feature ・Texture ・Marker stickers ・Hybrid (combination)	
Point cloud frame rate	Up to 15fps	Up to 20fps
Light source	IR MEMS, Laser class 1	IR VCSEL, Laser class 1
Camera pixels	2 million	1.3 million
Color texture pixels	48 million	
Internal storage	512GB SSD	
Accuracy, deviation	±0.1mm, 1σ=0.03mm	±0.3mm, 1σ=0.1mm
Operating temp range	-10℃ ~ +40℃	
Environment	Direct sunlight OK、IP50, silicon soft case	
PC interface	WiFi 6、USB Type C	
Internal battery	5,000mAh (up to one hour operation)(a mobile battery can be used)	

※Dimension of scanner body
　　Size 180mm x 95mm x 26.5mm
　　Weight 535g

※Recommended PC for StarVision
- CPU: Iintel Core i7-11800H or newer
- Main memory: 32GB or larger
- USB 3.2 Type C port
- Windows 11

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