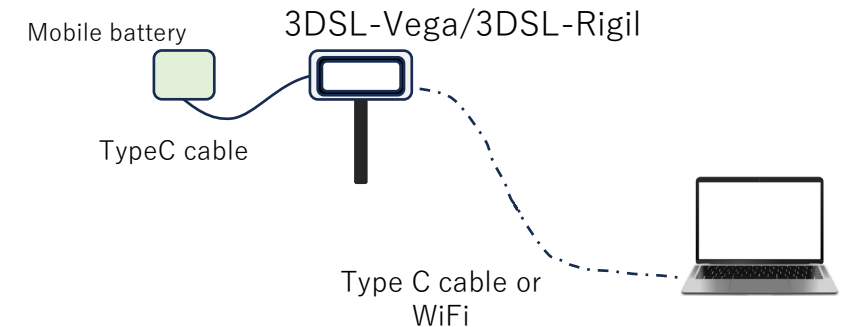


[3 models comparison] 3DSL-ScanProHD, -Rigil, -Vega

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Complete set of equipment

3DSL-ScanProHD (discontinued)



3DSL-Rigil



3DSL-Vega



Major spec of 3DSL-Vega vs 3DSL-ScanProHD

仕様	3DSL-ScanProHD	3DSL-Rigil	3DSL-Vega
	Rapid Scan mode	IR mode / Blue Laser mode	Fast mode / HD mode
PC needed to scan?	Yes, cable connection	No	No
Remote operation?	No	Yes, by iPhone/iPad	Yes, by iPhone/iPad
Dimension (W x D x H)	250mm x 155mm x 50mm	165 x 85 x 70mm (excluding handle)	180 x 95 x 26.5mm
Body weight	1250g	870g (batteries included)	535g (with built-in battery)
Typical scanning size	About 2m x 2m or around	About 2m x 2m or around	About 1m x 1m or smaller
Mesh length	0.2mm ~ 3mm	0.2mm ~ 10mm / 0.05mm ~ 10mm	0.5mm ~ 10mm / 0.1mm ~ 3mm
Stand-off distance	510mm +/- 150mm	160mm ~ 1,500mm / 170mm ~ 550mm	350mm ~ 1,000mm / 100mm ~ 250mm
Alignment modes	Features, Texture, Markers	Features, Texture, Markers	Features, Texture, Markers
Internal storage	No	1TB	512GB
Display	No	Yes, with touch panel	Yes, with touch panel
Operational temp.	0℃ ~ 30℃	-10℃ ~ +40℃	-10℃ ~ +40℃
Environment	Needs sunshade	Capable to scan under direct sunshine, IP50	Capable to scan under direct sunshine, IP50, rubber case
PC interface	USB 3.2, Type-A cable	WiFi 6、USB 3.2 Type C (Thunderbolt 4)	WiFi 6、USB 3.2 Type C (Thunderbolt 4)
Built-in battery capacity	None	6,000mAh x 2 (Continuous 1.5 hours operation), swappable, ext. by TypeC	5,000mAh (Continuous 1 hour operation) (Ext. by TypeC)

Spec of recommended PC

PC spec	3DSL-ScanProHD (discontinued)	3DSL-Rigil (available)	3DSL-Vega (available)
When PC is required	During scanning, during mesh file generation, during analysis	During mesh file generation, during analysis (Note 1)	During mesh file generation, during analysis (Note 1)
Operating Systems	Windows 11 64bit	Windows 11 64bit	Windows 11 64bit
CPU	Intel Core i7-8700 or newer	Intel Core i7-13620 or newer	Intel Core i7-13620 or newer
GPU	NVIDIA RTX3000, 4GB or newer	NVIDIA RTX4060, 6GB or newer	Not required
RAM	64GB	64GB+	32GB+
PC interface for data transfer	USB 3.0 Type-A cable built-in	WiFi6, USB 3.2 Type-C	USB 3.2 Type-C
PC companion software (Note 2)	EXScanPro	EXScanRigil	StarVision
Analysis software (Note 3)	POLYGONALmeister	POLYGONALmeister	POLYGONALmeister

Note 1: Mesh can be generated on the scanner, but generation on PC is quicker.

Note 2: Free downloadable, free update notice through Internet connection. No license expiration. Online support is charged if annual maintenance contract is not made.

Note 3: To be purchased separately. No license expiration, but new version will be charged if annual maintenance contract is not made.

Typical elapsed time to generate point cloud or mesh

Work	3DSL-ScanProHD	3DSL-Rigil	3DSL-Vega
Data capture	80 sec	65 sec	130 sec
Point cloud generation	75 sec on PC	0 sec	0 sec
Mesh generation with color texture	40 sec on PC	430 sec on Rigil (7 min 10 sec) (*1)	1,680 sec (28 min) (*1)
File saving	15 sec on PC	1 sec	15 sec
Total	210 sec (3 min 30 sec)	496 sec (8 min 16 sec) (*1)	1,825 sec (30 min 25 sec) (*1)

Target to scan: office floor with grain pattern, Area:1m x 1m
Scanning resolution : 0.5mm

Note *1: If generated on the PC, it is about two to three times faster, depending on the PC spec.
With EXScanRigil (running on a PC), it took about 4 minutes.
With StarVision (running on a PC), it took about 5 minutes.

