

F6 Handheld Scanner

Outstanding
Volumetric Scanner
for Field Use



TECHNICAL FEATURES

Outstanding Volumetric Scanner for Field Use

STONEX F6 is the market leader 3D handheld scanner for fast scanning of big objects and large areas from short to far ranges. Based on a patent algorithm of innovative encoding F6 provides superb quality of data making it the ultimate device for scanning complex scenes within seconds.

The F6 is operated by Echo, an advanced and easy-to-use integrated software with high-end features such as:

- Advanced scanning modes with real time feedback
- Powerful 3D data editing tools
- Data quality for controlling distances and accuracies
- Advanced meshing with full color projection

System Benefits

- IR light - enables work in any lighting conditions from complete darkness to day light
- Ergonomic rubberized handgrip
- No scene preparation - geometry is deciphered by the encoding
- 2 layer modes of operation: static and dynamic
- Accessibility to hidden places
- Hot shoe connection for:
 - Wireless synchronization of multiple F6 for capturing objects in dynamic motion
 - Flash light
- User friendly - professionals can operate the system after a short training
- Unique design and light weight - suitable for the harsh demands of the outside

HARDWARE SPECIFICATIONS

Accuracy	0.2% - 0.1% upon scanning distance
XY point density	5mrad
Low noise level	less than 0.5mm@1meter
Eye safety	Class 1
Ambient lighting	From complete darkness to daylight
Depth of field	4.5 - 0.5m
Linear field of view	HxW 510 x 670mm, closest range
Linear field of view	HxW 4585 x 6070mm, furthest range
Angular field of view	HxW 54 x 68°
RGB camera resolution	1.3MPix

Video frame rate

Exposure time	0.04 - 0.005 s
Data acquisition speed	640,000 points/s
Dimensions, HxDxW	32 x 12 x 4.5 cm
Weight	1kg
Power consumption	Internal battery
Calibration	No special equipment required
Working temperature	-10° to +50° / 14' to 122°F

SOFTWARE SPECIFICATIONS

Multi-core processing	Yes
Support OS	Windows 8/10
Output formats	PTS, ASCII, PLY, E57, STL
Interface	USB 2.0

Illustrations, descriptions and technical specifications are not binding and may change

Computer/Tablet* requirements:

- Win 8.1 Pro & above
- i7 quad processor
- 16 GB Memory
- 256GB Storage

*not included



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