STONEX

F6 Handheld Scanner

Outstanding
Volumetric Scanner
for Field Use

MANTIS VISION

cube suite

Outstanding Volumetric Scanner tor 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, on advanced and easy-to-use integrateci 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 far:
  - Wireless synchronization of multiple F6 far capturing objects in dynamic motion
  - Flash light
- User friendly - professionals con 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	0 - 100,000 Lux
Depth of field	0.5 – 4.5m
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	1.3Mpx
Video frame rate	8 frame/s
Exposure time	0.005 - 0.04s

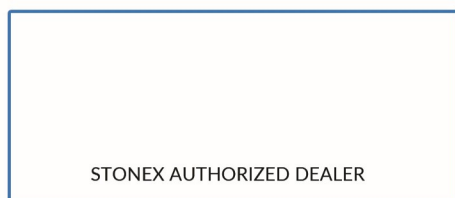|	
Max points per frame	80,000
Data acquisition speed	640,000 points/s
Dimensions, HxDxW	32 x 12 x 4.5 cm
Weight	1kg
Power consumption	Internal battery
Calibration	Scanner sensitivity, exposure and white / RGB balance
Working temperature	−10° C to +50° C / 14° F to 122° F

SOFTWARE SPECIFICATIONS

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

Computer/Tablet* requirements:

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

*not included

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

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STONEX AUTHORIZED DEALER

STONEX®
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