

GScan

# SMART FULL-COLOR 3D SCANNER

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Subvert traditional ideas/ Combination of virtual and reality

Lead new direction of the future





# SMART **FULL-COLOR** 3D SCANNER

GScan



## INTRODUCTION

GScan is a new multi-functional handheld 3D scanner (3D white light) developed independently by ZG Technology Co., Ltd. Quick acquisition of the object 3D data, smart, portable, high accuracy, all make GScan a true non-contact measurement solution; No need of positioning targets. Lightweight, easy to carry, easy operation, multi-function scanning to meet different requirements.



Get more 3D AR from  
ZG 3D AR Cloudy Platform

## FEATURES



**REALISTIC COLOR**  
High color reproduction



**PORTABLE**  
Total weight 0.56kg,  
easy to carry



**USER-FRIENDLY**  
Easy operation  
10 minutes to master the operation



**MULTI-FUNCTION SCANNING**  
Handheld or fixed  
scanning modes



**FAST SCANNING RATE**  
550,000 measurements/s  
Quickly acquire 3D data



**VISUALIZED OPERATION**  
PC displays real-time  
scanning data



3D printing



Museology and furnishings



Human body scanning



Artistic design



Medical and healthcare





SCAN MODE	HAND-HELD	FIXED
PROJECTION MODE	speckle/Stripe projection	grating stripe projection
ACCURACY	up to 0.1mm	up to 0.05mm
VOLUMETRIC ACCURACY	0.3mm/m	not applicable
MEASUREMENT RATE	550,000 measurements/s	single scan <2s
RESOLUTION	up to 0.5mm	0.2mm
RECOMMENDED OBJECT SIZE	0.15-4.00m	0.03-0.25m
POSITIONING METHOD	geometry, targets, combined	turntable positioning, geometry, targets
STAND-OFF DISTANCE	400mm	
DEPTH OF FIELD	200mm	
SINGLE SCANNING AREA	250×180mm	
LIGHT SOURCE	white light(LED)	
TEXTURE MAPPING ACCURACY	1 pixel	
CONNECTION STANDARD	USB 3.0	
OPERATION SYSTEM	Win7 (64bit) 、 Win10 (64bit)	
WEIGHT	0.56kg	
DIMENSIONS	280×130×50mm	
OPERATING TEMPERATURE	-20~40°C	
OPERATING HUMIDITY (NON-CONDENSING)	10~90%	
OUTPUT FORMATS	.stl, .obj, .wrl, .ply, .txt, .xyz, .asc etc., customizable	
COMPATIBLE SOFTWARE	3D Systems (Geomagic Solutions) 、 InnovMetric Software (PolyWorks) Dassault Systemes (CATIA V5 and SolidWorks) 、 PTC (Pro/ENGINEER) 、 Siemens (NX and Solid Edge) 、 Autodesk (Inventor, Alias, 3ds Max, Maya, Softimage)	



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