

# Sunruy SR-P-01



3D Scanner  
P/N: SR-P-01

Product Name:	SR-P-01
Brand Name:	sunruy
Part Number:	SR-P-01
Packaging:	PE bag and carton
MOQ:	1 set

## Product details

### Description of this 3D scanner

This high precision 3D scanner has 3 cameras, the middle one is the RGB camera which is for capturing the pictures 640\*480, 30 frames of image per second at least, the other two on the different sides are depth sensor, the left one is the infrared emitter, the right one is the infrared receiver, which is for detecting the relative position of the object.

### Main Features of this 3D scanner

1. Super anti-jamming capability( eg. easily deal with black hair, light fabrics and reflective surfaces )
2. Not need to mark on the scanned people and objects or spray imaging agent.
3. Not need auxiliary splicing tools, this 3D scanner is automatic splicing
4. High speed scanning ,real-time data to generate the three-dimensional data and files.
5. Large scanning range(Size of the scanned object is better larger than 20\*20\*20cm ),the scanned objects can be stuffed toys , statues, real people(no harm to body), machine parts ,automobiles, furniture and even the room layout.
6. Support 24-bit full-color scanning
7. Laptop scanning, more convenient
8. Not able for the mirror and the transparent objects

### Advantage:

- (1) **Portable.** This scanner is a simple portable 3D scanner. It allows you to easily scan something which is immovable or de form, soft.
- (2) **There is no need to add marked points.** Unlike other 3D scanner, there is no need to put many marked points on scanning the surface in the process of scanning an object. The software can make a single real-time scanning surface split into a whole three-dimensional model by using geometric feature itself.
- (3) **Fast scanning speed.** The maximum scanning speed can reach up to 600000 points per second, and portable 3D scanner is ten times faster than the ordinary one.
- (4) **Large scanning range.** This kind of 3D scanner can scan wide range of objects from 1 cubic meters to tens of meters
- (5) **It can scan moving objects.** Since the portable 3D scanner and camera works similarly, so it can scan both static objects and dynamic objects, especially suitable for obtaining human action and film production in the dynamic facial expressions.
- (6) **Colorful 3D scanning.** Portable 3D scanner can capture the bright colors (24 bit color).

### Hand-Held Scan



### Fix 3D Scanner on the Scaffold



The back of 3D Scanner



The front of 3D printer



Parameters of this 3D scanner

Model No.	SR-P-01 (hand held 3D scanner)
Product dimension	18cmx2.5cmx3.5cm
Operating Temperature	10-40 °C
Data Interface	USB 2.0
Operation Range	600~3500mm
Spatial x/y Resolution @500mm	1 mm
Depth Z Resolution @500mm	<1mm
VGA Depth Image	640 x 480 (VGA) [pixel x pixel]
Maximal Frames-per-Second Rate	30 FPS
Power Supply	USB 2.0
Maximal Power Consumption	2.25 [Watt]
Field Angle:	58.5, 50, 75 (H,V,D)
Data layout:	16bit
Pixel	1.3million
operate system(software)	skanect
output format	PLY,OBJ or STL

output file can be printed via 3d printer directly.

### How to Use 3D Scanner?

A.Start the scan by clicking the start button, then the scanning process will begin immediately. The operation is very simple. User can watch the object to be scanned, while watching the scanning data software interface, keep moving the scanning position until the scan process is finished.

B.Moving 3D scanner around the body or an object by continuously scanning around the body or an object. It will make you have good understanding of what has been scanned, and what hasn't been scanned.

C. Completing the scanning process. After scanning one round, you will obtain a 3D model of a person or an object. Images can be saved to the computer via USB interface.

### Noted

In order to make high-performance of 3D scanner and ensure the normal running, your operating system should meet the following requirements:

Processor: Intel Processor, CPU should be higher than i5, recommend i7

Memory: 4G and larger than 4G

Transmission: Independent USB 2.0 transfer bus

This bracket is used to support the 3D scanner, then the 3D scanner can be moved up and down.

People can stand on the rotator, it will automatically rotate.