

## Technical Parameter

Type	iReal 2S	
Laser source	Blue light	Red spectrum
	Visible	Invisible
	LED light (eye-safe)	CLASS I (eye-safe)
Support color scanning	Yes	
Color reproduction	True color (24 bit)	
Point distance	0.2 ~ 3 mm	0.5 ~ 3 mm
Point accuracy (single frame)		
Alignment accuracy (for markers)	0.2 mm/m	0.25 mm/m
Alignment mode without markers	Texture/feature/mixed alignment	
Alignment mode with markers	Markers/mixed alignment	
Optimal scanning distance	400 mm	
Effective working range	300 ~ 600 mm	
Scan area	200 x 135 mm ~ 400 x 270 mm	200 x 165 mm ~ 400 x 330 mm
Frame rate	15 fps	
Output formats	OBJ, STL, PLY, ASC, SK	
Support 3D printing	Yes	
Temp range	5-40°C	
Interface mode	USB 3.0	
Weight	910 g	



# I REAL 2S

Invisible Light to  
Capture Endless Colors



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# I REAL 2S



## E-AR Device

- Intuitive Scanning
- Real-time Guidance
- Virtual Interaction

iReal 2S initiatively adopts double scattering speckle technology: blue LED light and red invisible spectrum. It maximizes performances in texture reproduction, accuracy, detail capturing, etc.

iReal 2S features in super HD texture capturing capacity, wide scan area, fast scanning speed, intelligent alignment, fully automatic post-processing algorithm. With its HD color reproduction, iReal 2S extremely meets the requirements of texture acquisition. It ensures best-in-class performance to scan human bodies, especially eyes and hairs.

iReal 2S 3D scanner is very user-friendly for making an easy and fast scanning. It streamlines workflows and creates easier color measurements.

Double scattering speckle technology

Versatile alignment modes

Automatic processing algorithm

Invisible light scanning

Super HD texture capturing

User-friendly Interface



## Double Scattering Speckle Technology

iReal 2S simultaneously adopts blue LED light and Red invisible spectrum. This global initiative technology extends a wider range of work environments. Blue light offers high-resolution data acquisition with strong anti-interference capacity. Red spectrum is insensitive to different materials and enlarges scan area with high efficiency.



## Top Comfortability & Safety

Class I red spectrum brings the most comfortable and safest scanning experience to users. Line-of-sight issues are eliminated.

Red spectrum scanning overcomes the difficulty to obtain data of hairs and eyes creatively and perfectly. It can be applied to education, medical treatment, public inspection and other applications.



## Versatile Alignment for Diverse Demands

iReal 2S supports texture/geometric/markers alignment. Scanning without markers: when object has continuous and irregular textures or geometric features, it can be scanned without any markers base on texture alignment and geometric alignment.

Mixed Alignment Modes: scanning object without continuous or irregular textures or geometric features, iReal 2S combines 3 alignment modes and only needs few markers to finish it.



### Human Body

medical field, body part customization, 3D printing portrait, body art



### Digital Sculpture

stone/wood carving, clay/urban sculpture



### Texture Acquisition

culture relics digitalization, furniture online display, VR/AR rapid modeling, e-commerce 3D display



### Industry/Art Design

university reverse design training, 3D printing, vehicle redesign, movie props