

Technical Parameter

Tpye	iReal 2E
Light source	Blue light
Safety	LED light (eye-safe)
Color scanning	Support
Color reproduction	24 bit
Point distance	0.200 ~ 3 mm
Point accuracy (single frame)	Up to 0.100 mm
Alignment accuracy (for markers)	0.200 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
Scanning area	200 x 135 mm ~ 400 x 270 mm
Frame rate	15 fps
Output formats	OBJ, STL, PLY, ASC, SK
3D printing	Support
Work temperature	5-40°C
Interface mode	USB 3.0
Weight	910 g



I REAL 2E

Reproduce Endless
Colors of the World

I REAL 2E



E-AR Device

- Intuitive Scanning
- Real-time Guidance
- Virtual Interaction

iReal 2E is a portable color 3D scanner that adopts blue LED light technology with ultra-high precision scanning.

iReal 2E is characterized by super HD texture capturing capacity, intelligent alignment modes, wide scan area etc. It maximizes performances in texture reproduction, detail capturing and accuracy. With its HD color reproduction, iReal 2E extremely meets the demands of texture acquisition. It ensures best-in-class performance to scan human bodies, especially eyes and hairs.

iReal 2E is very user-friendly to make an easy and fast scanning. It streamlines workflows and creates easier color 3D measurement solutions.

Super HD texture capturing

User-friendly

Versatile alignment modes

Light weight



Ultra-high Precision Scanning

iReal 2E color 3D scanner adopts blue LED light technology with strong anti-interference capacity. It easily captures the full 3D data of small details and highly reflects the geometric features of the objects.



Super HD Texture Capturing

iReal 2E extremely meets the demands of texture acquisition. The built-in HD industrial cameras and a set of color camera contribute to perfectly capture the texture details of the object.



Versatile Alignment for Diverse Demands

iReal 2E 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 2E combines texture/geometric/markers alignments with 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