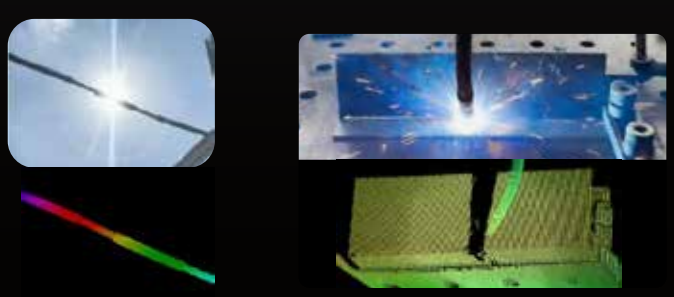
RVBUST

No Fear of Strong Light, Directly Facing High Reflection

RVC-M52000

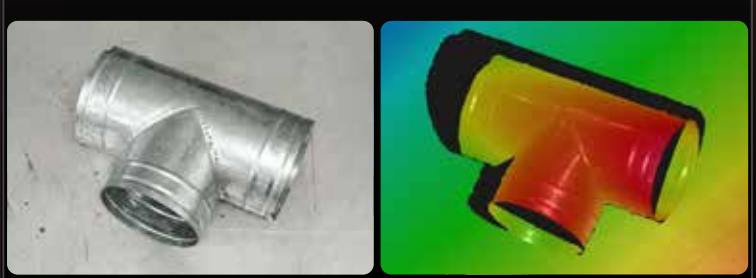
Outdoor Operation Under Intense Lighting

Using self-developed structured light core components and innovative anti-ambient light algorithms, even in strong light environments exceeding 600,000 Lux, point clouds can be kept complete and accurate, facing welding arcs and solar imaging.



Unreached Quality on Reflective Materials

For complex structures with multiple reflections, single exposure can be imaged. The latest research and development of anti-multiple reflection imaging algorithms can obtain high-quality point clouds even under near-specular reflection conditions.

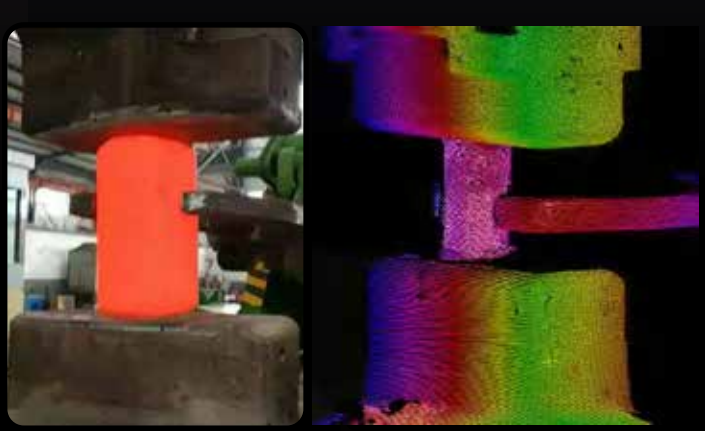


Wild Field of View, Fast 3D Modeling

Captures high-precision point clouds of a 10-meter-tall building in just 5 seconds during outdoor scanning.

Long-Distance Measurement of Heat-Treated Metal

5m distance to shoot high-temperature calcined titanium alloy, point cloud complete, high precision.



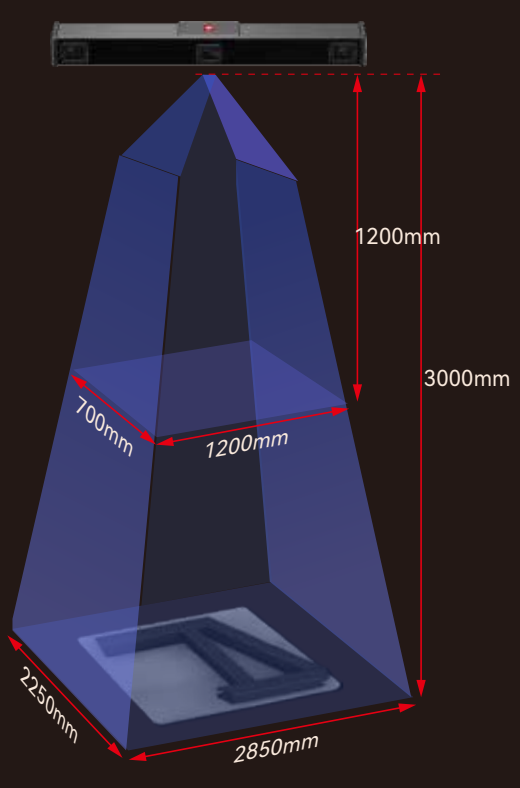
600000Lux
Anti-ambient light interference

1.2-3m
Ultra-large working distance range

2.85×2.25@3m
Ultra-large field of view

0.2%
Good point of cloud Accuracy

1.42FPS
Fast Capturing Speed



Product Specification

Model	RVC-M52000
Resolution	2448*2048 (5.0M), Binocular Grayscale
Working Distance Range	1200 - 3000mm
Near Field of View	1200*700 @ 1200mm
Far Field of View	2850*2250 @ 3000mm
X/Y Direction Resolution	0.5mm@1200mm ;1.2mm@3000mm
Z-axis Single Point Repeatability	0.3mm @3000mm
Z-axis Area Repeatability	0.03mm @3000mm
Anti-ambient light intensity	>600 000(fixed/swing line scan modes)
Normal mode shooting time	1.7 - 3.1s per frame
Minimum swing line scan speed	1.42s per frame
Fixed line scan default frame rate	60fps(configurable above 200fps)
Light Source	Blue Laser
Communication interface	Gigabit Ethernet
Camera Weight	2.9kg
Camera Size	692*94*81mm
Working Temperature	0 - 50℃
Working Voltage/Current	DC 24V/3.75A
Protection Rating	IP65
Working Humidity	20 - 80% (non-condensing)
Standard Accessories	Power adapter, , power cord, data cable
Third-party development	Supported
Supported programming languages	C/C++/C#/Python
Supported platforms	Linux/Windows

www.rvbust.com
400-0419-900
sales@rvbust.com