The reality 3D cameras of the 4DKanKan series are developed by 4DAGE. By using algorithms based on artificial intelligence, the 4DKanKan series can achieve an accurate 3D reconstruction of space. With advantages such as high efficiency, high precision, and low cost, the 4DKanKan series are widely used in industries ranging from real estate, e-commerce, travel and hospitality, virtual museums, digital twins, to architecture, engineering, construction, GIS, BIM and GNSS. 4DKanKan series cameras have been exported to dozens of countries and regions, including Europe, Southeast Asia, the Americas, and others.

4DAGE, established in October 2014, is dedicated to artificial intelligence 3D digitization, digital twins, and the research and application of new technologies in the surveying and mapping industry to realize the vision of "digital everything" and bring digitization to people's daily lives. 4DAGE has obtained 111 authorized patents and 214 software copyrights as of February 2024.

Cooperation Partners

4DKanKan Alibaba Youtube

400-6698-025 **Business Cooperation** / sales@4dage.com
4DAGE / eur.4dkankan.com **We are seeking overseas distributors.**
Address/ Building 11, Tech Bay, Jintang Road, Tangjiawan, Gaoxin District, Zhuhai, China

4DAGE — DIGITAL EVERYTHING — | 4DKanKan — Let space tell the story —

4DKanKan Series Products

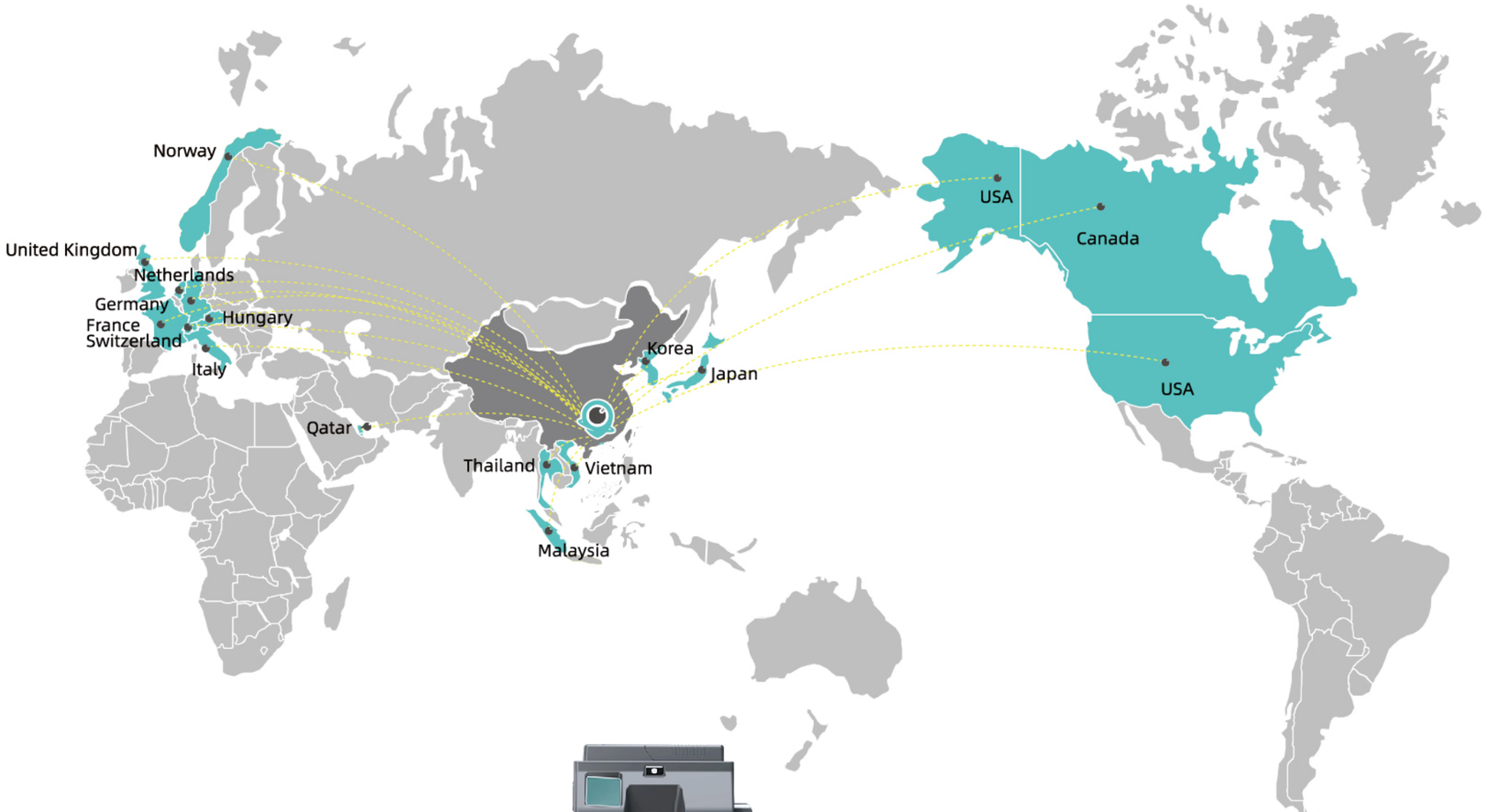
eur.4dkankan.com

4DKanKan Reality-capturing 3D camera

Since 2018, 4DAGE has released the world's first consumer-grade 3D camera, which has been upgraded and developed to the following three main cameras, ranging from consumer-grade to professional surveying and mapping, serving donzens of countries and regions.

Business Partners Map

- France
- Italy
- Switzerland
- Hungary
- Norway
- Netherlands
- Germany
- United Kingdom
- Korea
- Japan
- Thailand
- Vietnam
- Malaysia
- USA
- Canada
- Qatar



4DKanKan Pro | Basic Reality 3D Camera

- Equip with a total of 8 wide angle fisheye lenses
- Immersive roaming with 8K picture quality
- Space modeling (100㎡) in 10 minutes

4DKanKan Minion | Senior Reality 3D Camera

- Two-lens design captures full details
- A 360° rotation shooting achieves seamless image stitching
- Present high-resolution pictures in 16K
- Adapts well to a variety of businesses

4DKanKan Mega | Premium A Laser Mapping Scanner

- 905nm LiDAR ultra-high precision scanning
- One-way scanning for 260 meters
- Over 8million point cloud data per single point
- Design for surveying & mapping industry

4DKanKan Pro /4DKanKan Minion Reality 3D Camera

Camera Features

Automatic and efficient

Based on self-developed algorithms, 100㎡ of scene can be automatically modeled in 3D within 10 minutes.

Spatial measurement

Generated scenes support spatial measurement

Panoramic video

Field recording, immersive audio-visual

Livestream

Real-life livestreaming is supported by sync screen.

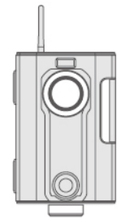
High-definition image quality

8K/16K high-definition image resolution with 4x zoom

Flexible editing backend

It supports adding Box videos, apply mosaic effect, etc.

Technical specifications

	4DKanKan Pro	4DKanKan Minion
Appearance		
Size	Height: 220.7mm Width: 78.2mm Thickness: 78.2mm	Active (switch the antenna on) Height 343mm; Width 166.5mm; Thickness 127.5 Inactive (switch the antenna off) Height 265.4mm; Width 166.5mm; Thickness 127.5
Lens	200° Fish-Eye lens	Horizontal: 133.11° Vertical: 85.06° Diagonal: 173.4°
Image resolution	**8K** 4608*3456 pixels (Single) 8192*4096 pixels (Panorama)	**16K** 5472 * 3648 pixels (single) 16384 * 8192 pixels(Panorama)
Sensor	Range: 1/2.3 inch Amount: 8	1 inch sensor (2.54cm), with Aperture in f/3.2
Storage Capacity	**16GB**	**64GB**
WiFi	802.11a/b/g/n network protocol Supports 2.4/5GHz telecommunications	
Device Port	TYPE-C	
Shooting range	Indoor/ Outdoor	

4DKanKan Pro/ 4DKanKan Minion
3D scanning solutions

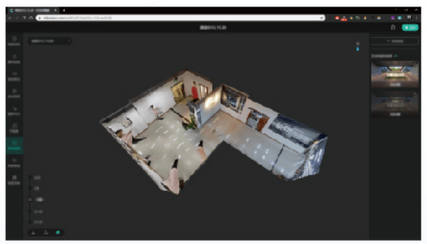
Workflow

① Download 4DKanKan Pro or 4DKanKan App

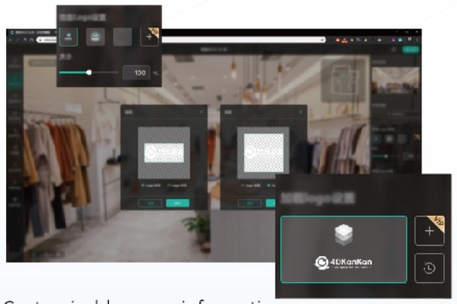
Connect camera - Shoot - Upload - Generate model link

② Space editing

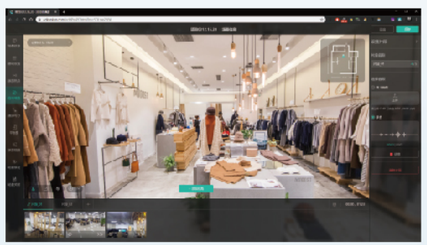
Powerful backend with easy but efficient space data editing



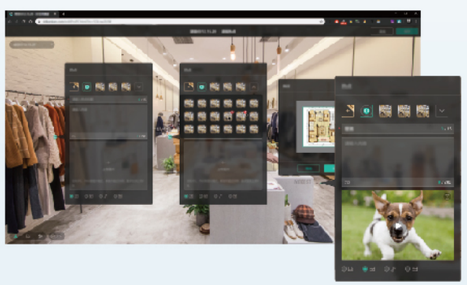
Powerful backend



Customizable space information



Space multimedia functions



Interactive hotspots

③ Space publication

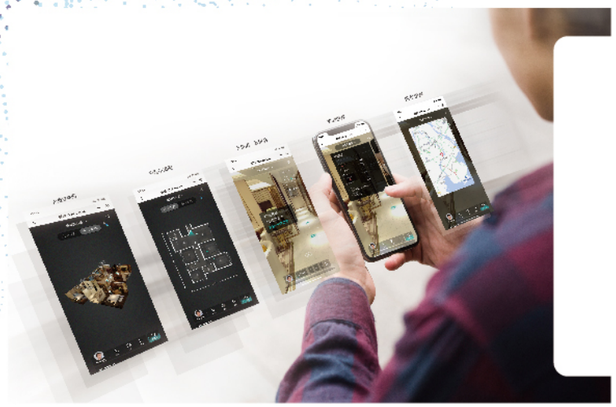
Plug-in-free, cross-platform, and network sharing

Publish and share data over the web

Anytime, anywhere on desktop, mobile, and iPad.

VR headset for immersive exploration.

Industry applications



Real estate marketing

Automated AI modeling improves the efficiency of replicating real listings

Digital cultural diffusion

Building up never ended museums

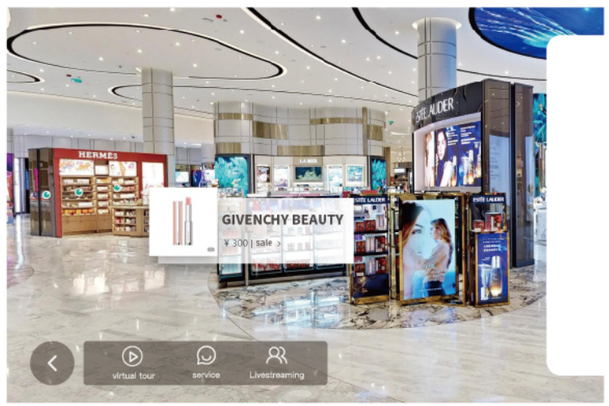
Online exhibitions

Global online accessibility to a complete reproduction of exhibition details

4D Pano

720° panoramic view

Based on panoramas and a fusion of 4DKanKan tours, enriching the creation form



VR shopping

3D digitalization of shopping districts in virtual reality, immersive shopping experiences

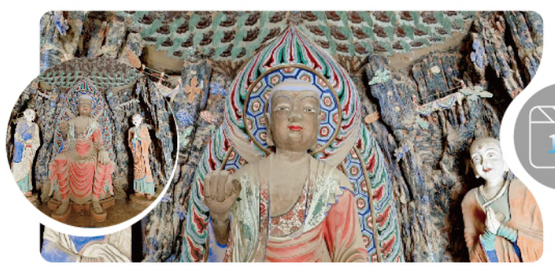
Metaverse

Creating outstanding digital twin works, generating higher revenue

4DKanKan Mega
A Laser Mapping Scanner

30 Sec

high-speed capture at a single station



16K

high-definition images

One-click operation

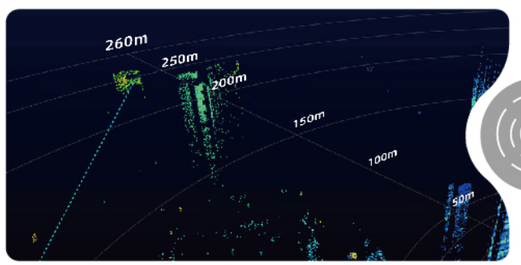
easy to learn and use

1cm

8 million-point cloud data per scan

5 major editing sections

Creating more interactive 3D spaces



260M

the maximum modeling range

is up to 260m

AI algorithm post-processing

Fully automated without human intervention

4DKanKan Mega 3D scanning solutions

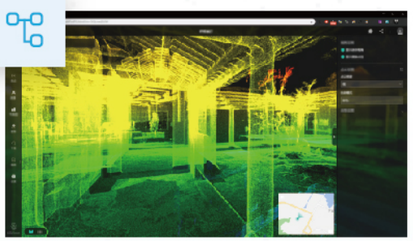
Workflow

① Download 4DKanKan App

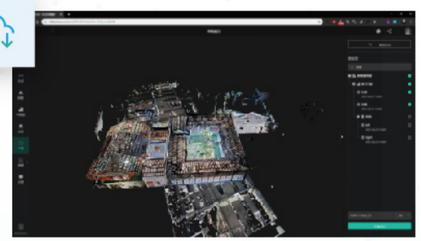
Connect camera - Shoot - Upload - Generate point cloud and OBJ model link

② Space editing

Interactive, compatible, and user-friendly frontend editing system

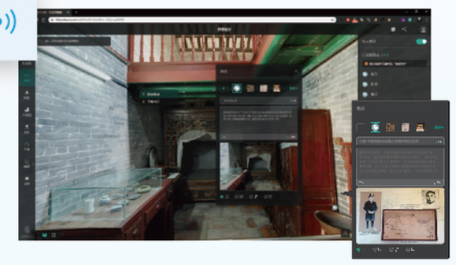


Capable of producing precise, high-quality point cloud data with an accuracy of 1 cm and accurate measurements



Support the output of.las, ply, and other point cloud formats, allowing point cloud data for secondary development

Support multiple cameras simultaneously collecting data that can be processed and integrated into a complete scene



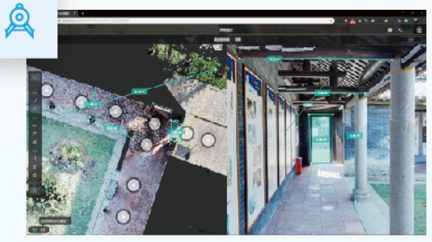
Support multimedia information associated with the scene, allowing the space to share more valuable content

③ Space publication

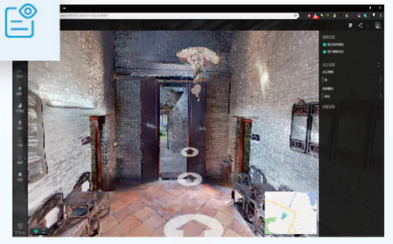
Plug-in-free, cross-platform, and network sharing

Support online sharing tours that can be viewed on a computer or mobile device

Users can rapidly apply the route planner feature in the editing background, enabling the navigation effect to be realized

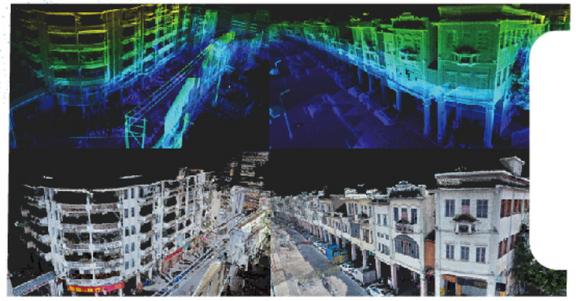


Supports accurate horizontal and vertical distance and area measurements of scene space, and can export measurement results report



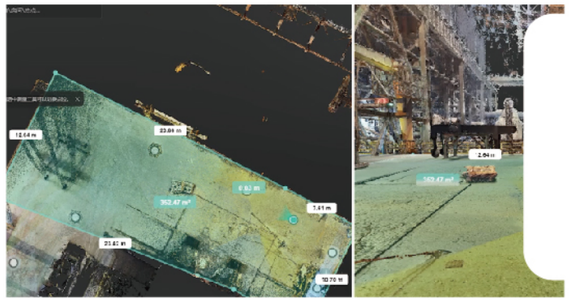
Switch between the real map/point cloud view and panoramic roaming to accommodate various visual requirements

Industry applications



Architectural Surveying

4DKanKan Mega captures building information, supports the output of 3D point clouds in.las and.ply formats, and supports BIM modeling, providing solutions for the entire building lifecycle.



Urban Management

4DKanKan Mega offers 3D visualization solutions for underground spaces, including gas pipelines, oil and gas fields, urban water supply and drainage, underground parking lots, and civil air defense engineering, among others.

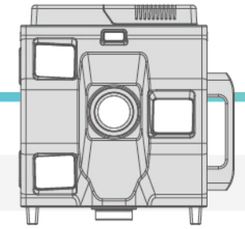
Cultural Heritage

4DKanKan Mega can rapidly obtain high-precision data on historical artifacts, historical buildings, and human cultural sites, providing visitors with a pleasant browsing experience and references for cultural relic restoration.

Insurance Claims

4DKanKan Mega is able to record the site with 1:1 accuracy, providing visual evidence for insurance claims.

Technical specifications



Equipment Type		Laser mapping scanner
Operation Method		Mobile terminal
Laser Safety		Class 1 (IEC60825-1:2014) eye safety
Shooting Distance		0.6m~260m
Scanning Speed		300,000 pts/s (single echo) 600,000 pts/s (dual echo)
Field of view		Horizontal: 360°, Vertical: 267°
Lidar	**Quantity**	3 multi-layered
	Wavelength	905nm
	Accuracy	1σ(@ 20m)⩽1 cm (measured under the condition that the ambient temperature is 25°C, the reflectivity of the target object is 80%, and placed 20 meters away) 1σ (@ 0.2~1m)⩽2 cm (at ambient temperature Measured at 25C, 0.2~1m away from the target object, and 30% reflectivity)
	Point Cloud Density	1cm
	Output Point Cloud Format	.las、.ply
Image Resolution	**Single**	5472 x 3648
	Panorama	16384 x 8192
Number of cameras		1 HD camera
Image Resolution		16K
Number of sensors		4 light sensors
Positioning System		GPS/BeiDou
Output the data		Point cloud and high-definition panoramic image
Data Viewing Method		Online browsing, support for importing to AutoCAD and other third-party software
Storage		Built-in 128G Cloud Storage
WiFi		802.11a/b/g/n network protocol, supports 2.4/5GHz communication
Appearance and size		312mm X 305mm X 146.5mm / total weight is 6.75kg (including battery)
Battery		Battery duration: 4 hours / replaceable battery
Operating Temperature		0°C ~ +40°C