

COMPANY PROFILE

Established in 2014, Rokid specializes in the research and product development of Mixed Reality and Artificial Intelligence. With its mission of “leave nobody behind”, Rokid provides the extreme user experience, superior products, and robust enterprise solutions for development communities. Our passion motivates us to make a positive and powerful impact on a broad range of industries.

Today, Rokid serve following markets:

- Oil & Gas
- Energy
- Heavy machinery
- Events & exhibition
- Aviation
- Biotech
- Clinic
- Logistic
- Warehouse



INDUSTRIAL



Rokid Glass 2
SUPER LIGHT AND CLEAR

Slim frame and improved endurance

Gross weight: 96 g. Long-term stress-relief wearing experience. 8-hour battery life.

Clear AR display

Based on industry-leading optical waveguide array technologies. 400:1 contrast ratio, transmittance rate up to 85%, with 40° ultra-wide perspective.

Lark voice interaction

Full voice interaction, supporting industrial noise exposure of 90DB.

Multimode network

Supporting 4G, WiFi, Bluetooth and other network environment, suitable for various private networks and Intranet.

General application scope

Detachable split design, comfortable wearing experience, suitable for more scenarios.



Rokid X-Craft
EMPOWERING THE INDUSTRY WITH SUPER WORKERS

World's first 5G AR device

Supporting 5G communication, 5G+AR to facilitate the rapid deployment of industrial Internet.

Lark voice interaction

Full voice interaction, supporting industrial noise exposure of 90DB.

Explosion-proof, water-proof, dust-proof and drop-protected

Intrinsically safe, covering oil and gas, chemical and other high-risk scenarios.

Industry standard encryption

Supporting industry standard encryption to ensure secure communication, and prevent important information leakage.

SOS & Knob interaction

SOS one-button alarm and independently set press button with customized functions. Knob interaction, easy to use when wearing gloves.

LIGHT



Rokid Air
LARGE FOV AR GLASSES

Lightweight and portable, more convenient

83 g, light and portable, with fashionable foldable frame, small enough to put into your pocket, providing wonderful experience.

Bringing a different eye-opening experience

43° FOV, stunning UHD large screen, unveiling infinite possibilities.

Immersive sound to blend seamlessly the virtual with the real

High-quality directional speakers, surround sound to bring fully immersive experience.

More intelligent voice interaction

Brand-new voice interaction experience, advanced AI technology to simplify the complex system.

Fuss-free solution and clearer view

Supporting correction for myopia (within 500°). Turn the button for clear, crisp, high-quality images

Convenient Plug & Play function

Innovative interaction mode, easy to adapt to a variety of terminals.



Rokid Air Pro
ROKID AIR WITH HIGH-RES CAMERA

Only you can hear it

Spatial sound system, and clear stereo targeted over the ears for privacy.

Breathtaking as digital reality

43° FOV, 100000:1 contrast ratio, and super vivid UHD display immerses you into a stunning world

Interaction can be more fun

Unique optical structure with voice and visual recognition function making interaction more fun

Easy to match, comfortable to wear

Light and foldable, comfortable to wear for a long time.

Stylish design that looks like regular sunglasses

Foldable visor for enhanced outdoor vision.

COMPARISON TABLE

		
Product Name	Rokid Glass 2	X-Craft
Temperature	-10°C~40°C	-20°C~50°C
Weight	93g	720g
IP	IP52	IP66
Noise Reduction	90db	90db
Display Type	Geometric Waveguide	Diffraction Waveguide
FOV	40°	40°
Resolution	1280x720 (Monocular)	1280x720 (Binocular)
Refresh Rate	60Hz	60Hz
Transmittance	95%	40%
CPU	Amlogic 905D3	Amlogic A311D
Sensors	9 axis IMU, GPS, Light Sensor, Camera, Proximity Sensor, Array Microphone	9 axis IMU, GPS, Light Sensor, Camera, Proximity Sensor, Array Microphone
Camera	8M pixels, 1080p video streaming	8M pixels, 1080p video streaming
Battery	10000mah	10000mah
5G	None	Yes
Storage	N.A.	128 G
Application	Light Industry: Logistics, Laboratory, Air Port, Management...etc	Heavy Industry: Gas, Oil, Mining, Manufacturing...ect
		
Product Name	Rokid Air	Rokid Air Pro
Temperature	-10°C~40°C	-10°C~40°C
Weight	80g	80g
IP	IP52	IP52
Noise Reduction	90db	90db
Display Type	Micro O-LED	Micro O-LED
FOV	43°	43°
Resolution	1920x1080 (Binocular)	1920x1080 (Binocular)
Refresh Rate	75Hz	75Hz
Transmittance	20%	20%
CPU	Mobile Phone	Qualcomm835® Kryo™ 280 CPU/Mobile Phone
Sensors	9 axis IMU, GPS, Camera, Proximity Sensor, Array Microphone	9 axis IMU, GPS, Camera, Proximity Sensor, Array Microphone
Camera	None	8M pixels, 1080p video streaming
Battery	10000mah/Mobile Phone	10000mah/Mobile Phone
5G	None	None
Storage	N.A.	N.A.
Application	Training, Entertainment, Gaming...ect	Exhibition, Training...ect

VOICE ENGINE



Automatic Speech Recognition

Triggering rate > 99%.
The double-syllable triggering function is fast with higher triggering rate



Natural Language Processing

Supporting full semantic understanding > 30
Everyday life



Text to Speech (TTS)

Various styles of timbre for customization,
including men, women and children



Microphone Array

Providing acoustic processing algorithms including acoustic noise reduction,
speech enhancement, de-reverberation, automatic gain control



Natural Speech Recognition

Remote identification >5
Recognition rate > 95%



Voiceprint Recognition

Recognition rate > 96% Supporting customized triggering function (speeches
in hundreds of milliseconds)

COMPUTER VISION

**SLAM**

Making it possible for AR devices to understand the environment;
Helping to create much more interactive and realistic experiences.

**Gesture Recognition**

Supporting the recognition of horizontal/spatial axis rotation, bright/dark environment and other complex scene;
No buffering or frame loss, with more stable anchor points;
With various kinds of gestures and accurate algorithm, guaranteed with over 90% overall recognition rate;
Response capabilities (in milliseconds) 99.9% reliable.

**Object Recognition**

Accurately identifying large amounts of information of objects attributes, such as mechanical components.

**Instrument Identification**

Used for the recognition of different brands and different types of instruments;
Supporting the identification of numbers, English texts and symbols on the dial;
Supporting LCD screen and other types;
Under normal light, the recognition accuracy is up to 98.9%.

AR + REAL TIME COLLABORATION



High-quality audio and video streaming

Providing high-quality audio and video capabilities with low latency, and supporting dynamic adjustment algorithms to greatly improve communication experience in poor signal environments.



Multi-platform access

Supporting accessibility on Android, iOS, Web, and YodaOS-XR multi-system platform, suitable for various application scenarios.



AR collaboration

Supporting IM, screen sharing, whiteboard, annotation and other collaborative functions, as well as real-time AR annotation based on SLAM algorithm to provide effective remote assistance.



Rapid integration

Providing easy-to-use modules based on multiple platforms to rapidly improve RTC capabilities of existing solutions.



MDM platform

Providing various configuration and management functions for user, groups, contacts, data management, etc.



Flexible deployment

Supporting multiple deployment modes, including public cloud, private cloud, and hybrid cloud, with flexible selection based on real-world scenarios.

AUDI X ROKID

Rokid AR glasses introduced by Audi boosted its car sales amid the pandemic



Audi, a high-end car brand, has launched its AR remote test drive and car purchase service. Sales consultants wearing AR glasses Rokid Glass 2 introduce the appearance and performance of cars to customers remotely. Customers use mobile phones or computer screens to get the first-perspective images of the sales consultants in real time, and enjoy the AR test run and car purchase experience without leaving home.

PARNERS/APPLICATIONS

