

## 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

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

---

