

## 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 developer communities. Our passion motivates us to make a positive and powerful impact on a broad range of industries.

Rokid serves the following markets:

- Oil & Gas
- Energy
- Heavy machinery
- Events & exhibition
- Aviation
- Biotech
- Healthcare
- Logistics
- Warehouse



## INDUSTRIAL

---



**Rokid Glass 2**  
*SUPER LIGHT AND CLEAR*

***Slim frame and improved endurance***

Lightweight design, 8-hour battery life, and stress-relief features for long-term comfort and wear. Weight: 96 g.

***Clear AR display***

Using industry-leading tech (waveguide optics), the display features a 400:1 contrast ratio, transmittance rate up to 85%, and 40° ultra-wide field of view.

***Lark Voice interaction***

Full voice interaction works in loud environments and can accommodate industrial noise exposure of 90 dB.

***Multimode network***

Supports 4G, WiFi, Bluetooth, and other network environments, including private networks and intranets.

***General application scope***

The split design is detachable and comfortable to wear in many different scenarios.



**Rokid X-Craft**  
*EMPOWERING THE INDUSTRY WITH SUPER WORKERS*

***World's first 5G AR device***

Equipped with a 5G module, the AR headband facilitates the rapid deployment of the Industrial IoT.

***Lark Voice interaction***

Full voice interaction works in loud environments and can accommodate industrial noise exposure of up to 90 dB.

***Waterproof, dustproof, and shockproof***

Intrinsically safe and designed for high-risk oil and gas, natural gas, chemical, electric power, construction, and rail transport industries.

***Industry standard encryption***

Guarantees secure communication and the prevention of information leaks.

***SOS & Knob interaction***

Features a one-button alarm and another SOS button that can be independently set and customized. The knob is easy to use when wearing gloves.

## LIGHT

---



**Rokid Air**  
LARGE FOV AR GLASSES

***Lightweight and portable, convenient***

Small enough to fit into a pocket, the AR glasses are foldable, fashionable, and easy to take anywhere. Weight: 83 g.

***Ultra-wide field of view***

Features a 43° field of view and a large ultra-high-definition screen for a stunning user experience.

***Immersive sound experience***

High-quality directional speakers and surround sound work together to seamlessly blend the virtual and real worlds.

***Intelligent voice interaction***

Voice interaction is brand new and uses advanced AI technology to make it extremely easy to use.

***Hassle-free solution for a clearer view***

Correct myopia without glass by turning the adjustment button for clearer, crisper, higher quality images. This solution works for users with up to -5.00 D (500°) of myopia.

***Convenient plug-and-play function***

This innovative interaction mode adapts easily to fit a variety of terminals.



**Rokid Air Pro**  
ROKID AIR WITH HIGH-RES CAMERA

***Private spatial sound***

Sound flows around the user, with clear stereo sound targeted over their ears for an audio experience only they can hear.

***High-res, breathtaking display***

Features a 43° field of view, 100000:1 contrast ratio, and a vivid ultra-high-definition screen that immerses the user in a digital world.

***Enhanced interaction***

A unique optical structure includes a function for voice and visual recognition, making interacting with the AR glasses easy and fun.

***Slim, comfortable frame***

Lightweight design and stress-relief features for long-term comfort and wear. Weight: 80 g.

***Stylish, portable, and convenient***

Small enough to fit into a pocket, the AR glasses are foldable, look like regular sunglasses, and have a visor for outdoor use.

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, Airport, etc.	Heavy Industry: Gas, Oil, Mining, Manufacturing, etc.
		
<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, etc.	Exhibition, Training, etc.

## VOICE ENGINE

---



### Automatic Speech Recognition

Double-syllable words quickly trigger the device's auto-speech recognition software. Triggering rate: higher than 99%.



### Natural Language Processing

The device analyzes semantics (the meanings of words and phrases in context) to understand text and spoken words the same way human beings can. Semantic Brand Score: higher than 30.



### Text to Speech

Customizable TTS software can accommodate various styles of timbre (the quality of sound made by a particular person) to help users tell different voices apart.



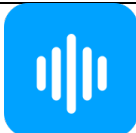
### Microphone Array

The microphones, which are powered by an algorithm, work together to process acoustics, reduce ambient noise, enhance speech, reduce reverberation, and use automatic gain control to keep quality consistent.



### Natural Speech Recognition

Spoken words and phrases are converted into text by natural speech recognition software. Recognition rate: higher than 95%.



### Voiceprint Recognition

The device recognizes the unique voiceprint of individual people, a function that can be customized and triggered within hundreds of milliseconds. Recognition rate: higher than 96%.

## COMPUTER VISION

---



### SLAM

Uses SLAM technology, which makes it possible for AR devices to understand their environment and create experiences that are realistic and interactive.



### Gesture Recognition

Recognizes various kinds of gestures (within milliseconds) in bright, dark, or spatially complex environments and eliminates buffering or frame loss by using stable anchor points. Recognition rate: 90%.



### Object Recognition

Identifies information about objects, such as the attributes of mechanical components, efficiently and accurately.



### Instrument Identification

Recognizes different brands and types of instruments, identifies numbers and English text and symbols on instrument dials, and supports LCD and other types of screens. Recognition accuracy: up to 98.9% in normal light conditions.

## AR + REAL TIME COLLABORATION

---



### High-quality Audio and Video Streaming

Low-latency audio and video capabilities are supported by an algorithm designed to dynamically adjust in poor-signal environments.



### Multi-platform Access

Accessible on Android, iOS, Web, YodaOS-XR (multi-system platform), and in other application scenarios.



### AR Collaboration

Instant message, screen share, whiteboard, annotation, real-time AR annotation, and other collaborative tools for remote assistance.



### Rapid Integration

Easy-to-use modules, incorporating multiple platforms, that rapidly improve the RTC capabilities of existing solutions.



### MDM Platform

Various configurations for monitoring, managing, and securing devices and data for users, groups, and contacts.



### Multiple Deployment Modes

Deployment modes for public, private, or hybrid cloud environments in different real-world scenarios.

## AUDI X ROKID

---

### **Audi uses Rokid's AR glasses to boost vehicle sales during the pandemic**



Audi has launched a remote AR service for test driving and purchasing their luxury vehicles. Audi sales consultants can show customers what it's like to be in the driver's seat by wearing the Rokid Glass 2. Everything the sales consultant sees while wearing the AR glasses, the customer also sees on their mobile phone or computer. This exchange happens in real time and the customer never has to leave home.



**PARTNERS/APPLICATIONS**

---

