

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

		
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, Airport, etc.	Heavy Industry: Gas, Oil, Mining, Manufacturing, etc.
		
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, 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

