



THINKREALITY PLATFORM FEATURES AND BENEFITS



Build, deploy, and manage custom AR and VR applications, cloud services and software



Device, Cloud, environment, and market agnostic



On-demand Edge Platform with device SDK



AR Microservices



User, Device, and Application Management



Enterprise Systems Integration



Management Portals



Workflow Builders



Solutions for all industries



Scalable and secure end-to-end

THINKREALITY A6

The ThinkReality A6 blends the physical and digital world, presenting a world of possibilities for modern businesses. An immix of hardware and software solutions, the A6 helps streamline mission-critical business processes—improving training quality, reducing human error, and saving money. What's more, powered by a tethered compute box with a replaceable battery, this lightweight, head-mounted augmented reality device allows for flexible workflow.

EVERYTHING YOU NEED TO BE MORE PRODUCTIVE

IMMERSIVE VISUALS

Lumus Waveguide binocular optics with 1080p resolution per eye and 40° Field of View offers superior image/video quality and larger viewing area for a spectacular viewing experience.

RELIABLE PERFORMANCE

This wearable device is powered by Qualcomm® Snapdragon™ 845 SoC processor and Intel® Movidius VPU that facilitates better productivity while ensuring ultra-low power consumption.

INTELLIGENT TECHNOLOGY

The ThinkReality A6 comes equipped with a suite of smart sensors and optics. This includes the dual fish-eye cameras plus IMU (Inertial Measurement Unit) for full SLAM (Simultaneous Localization and Mapping) capability and proximity sensor to automatically turn on/off the display.

EASE OF USE

Four input methods—voice, gesture, gaze, and 3DoF (Degrees of Freedom) hand controller allow you to pin, interact, and collaborate with 3D digital information hands-free. The 13MP RGB camera with auto-focus for object recognition makes it convenient to take pictures and record videos wherever you are.

GREATER MOBILITY

Weighing just 380g, this head-mounted device is light enough to accompany you anywhere. Plus, the tethered compute box with a replaceable battery offers up to 4 hours of power, enough to perform critical tasks on the go.

ULTIMATE COMFORT AND CONVENIENCE

EASY ON THE EYES

The dynamic brightness on the augmented reality display prevents eye strain and fatigue, enabling a smoother viewing experience.

ONE SIZE FITS ALL

Featuring a contoured headband with adjustable sizing tabs, the ThinkReality A6 ensures a comfortable fit for all head sizes.

REDUCED AMBIENT NOISE

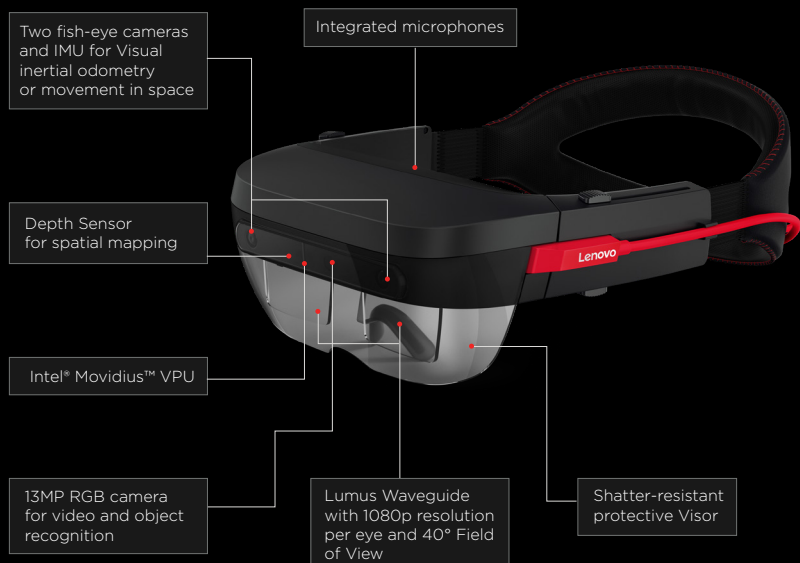
Two noise-canceling microphones keep background noise out so you can work without interruptions.

INDUSTRY BENEFITS

Industrial Versatility: with the functionality of the A6, users can extend the deployment of AR solutions to almost any other work environment where hands-free digital assistance can enhance productivity and efficiency. For instance, the A6 can prove to be helpful in healthcare, retail, logistics, or design environments where simple digital instructions and compliance are needed, or in environments where complex spatial computing and artificial intelligence are needed.

Industrial Manufacturing: from toys to engines, manufacturing requires putting together numerous components in a precise sequence as fast as possible. This poses a challenge to achieving higher productivity. The AR-powered ThinkReality A6 solves this problem by enabling on-spot technicians to visualize step-by-step instructions delivered via AR overlay, drastically simplifying critical product assembly processes.

AEC: for designers and architects in the Architecture, Engineering, and Construction (AEC) industry, the multi-dimensional visualization of a structure through the ThinkReality A6 can be tremendously impactful for design analysis. By gaining access to 3D virtual models, construction companies can mitigate risks at early stages, saving time and effort.



Lenovo

THINKREALITY A6 TECH SPECS

SOC

Qualcomm® Snapdragon™ 845 Processor

Vision Processing Unit

Intel® Movidius™

Optics Type

Binocular

Optics Tech

Lumus Waveguide

Form Factor

Visor/Top down optics

Resolution, Ratio

1080p (per eye), 16:9

FOV (diagonal)

>40°

Weight

<380g

SLAM Technology

Full SLAM

RGB Camera

13MP, rolling shutter

Depth Sensor

Yes

Gesture Support

Yes

Voice Recognition

Yes

Object Recognition

Yes

Connector

USB Type-C

Integrated LED Light

Yes

Ambient Light Sensor

Yes

Microphones (noise canceling)

Yes (2)

Speakers/Audio (stereo)

Yes, surround sound (Audio codec)

6DoF Inside-out Tracking

Yes

Barcode Reader

Yes

WiFi

Yes

Wireless Network (4G, 5G)

No

Bluetooth

Yes

Head/Gaze Tracking (UX/UI)

Yes

Supports Users Wearing Eyeglasses

Yes

NFC or RFID Reader for Smart Cards

In compute box

Battery Life (hours)

>4

IMU (in glasses, controller, and compute box)

Yes (glasses, controller, and compute box)



Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2.

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