

SPEAKEZ

Exploratory Research

Shari Gasper, Cady Phan, Jadyn O'Connor, Payton Boswell, Whit Pope



APPLE VISION PRO

Apple Vision Pro is a cutting-edge **spatial computer** that seamlessly integrates digital content with your physical environment. Powered by **visionOS**, the world's first spatial operating system, it enables you to interact with digital elements as though they are part of your real-world surroundings, using just your eyes, hands, and voice.



Apple Vision Pro is a revolutionary technology for **entertainment**, **productivity**, capturing **photos and videos**, and **connecting** with others.

FEATURES



SPATIAL AUDIO

Analyze your surroundings to adapt and match sound to your space.



MICRO-OLED DISPLAY SYSTEM

Three-element lens and 23 million pixel display.



EYE TRACKING

LEDs and infrared cameras project light patterns onto each eye so you can select elements with only your eyes.



SENSOR ARRAY

Head and hand tracking that picks up on hand gestures.



DUAL-CHIP

The M2 chip runs visionOS, executes computer vision algorithms, and provides graphics

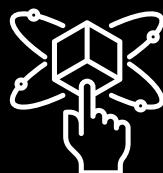


R1 CHIP

The R1 chip processes input from cameras, sensors, and microphones and delivers images to the displays.

VISIONOS 2 UPDATES

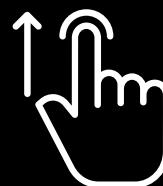
Spatial Photos
from 2D images



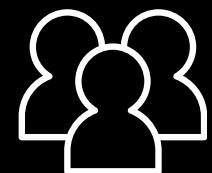
SharePlay for
Photos on
FaceTime



New Gestures for
More Efficient
Navigation



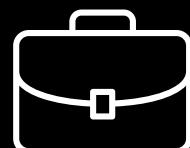
Guest User to Allow
Friend to Use Your
Device



Train Support with
Travel Mode



New Accessories
Compatibility



TOOLS AND APPS

- Reality Composer Pro
 - Reality Converter
 - Core ML
 - Xcode
-
- RealityKit
 - ARKit
 - SixD for SwiftUI components
 - Swifter for SwiftUI



INSPIRATION

KEYNOTE

**iPhone, iPad, Apple Watch, and
Apple Vision Pro**



DEVELOPER: Apple

PURPOSE:

- Create presentations
- Rehearse a presentation with current slide, presenter notes, and timer all in one view

DRAWBACKS:

- User-friendliness
- No presentation feedback



ORAI-IMPROVE PUBLIC SPEAKING

iPhone

DEVELOPER: Orai, Inc

PURPOSE:

- Practice and receive feedback on presentations, speeches, and pitches
- Improve pacing, filler words, clarity, etc.

DRAWBACKS:

- Not compatible with Apple Vision Pro
- Issues with server connection



SOURCES



<https://www.apple.com/newsroom/2023/06/introducing-apple-vision-pro/>

<https://www.apple.com/apple-vision-pro/>

<https://developer.apple.com/machine-learning/core-ml/>

<https://www.youtube.com/watch?v=kZj4OSOK21I&t=221s>

<https://apps.apple.com/us/app/keynote/id361285480?platform=vision>

<https://apps.apple.com/us/app/orai-improve-public-speaking/id1203178170>

<https://www.apple.com/visionos/visionos-2/>