PICO 4 (Enterprise)

PICO 4 Enterprise is the future proof enterprise platform that features high resolution pancake lenses and a lightweight ergonomic design. Built with inside-out 6 Dof Tracking, the PICO 4 Enterprise enables users to move freely and naturally in a 360-degree enviorment for extended reality (XR) applications. Plus, the PICO 4 Enterprise features the next generation of motion tracking technology with support for hand tracking, eye tracking, and face tracking. Designed for the most advanced enterprise applications, the PICO 4 Enterprise includes the SnapdragonTM XR2 processor and access to PICO's Business Suite with a SDK.

Advanced Optics and XR2 Platform

- **Pancake Lenses:** The PICO 4 Enterprise optics feature pancake lenses which enable a more compact headset design that is thinner and lighter than its predecessor. Plus, the pancake lenses deliver a wide field of view (FOV) at 105 ° creating a stronger visual presence when experiencing VR content.

- **Adjustable IPD:** The PICO 4 Enterprise features a software interface which allows the users to adjust the IPD (Inner Pupillary Distance) of the headset to provide a clear image to reduce dizziness and eye strain. The automatic IPD adjustment works by having the user look at various dots inside the headset interface to determine the ideal measurement of the lenses. Once completed, the motor inside the headset will move the lenses to the correct position.

- **High Resolution:** Featuring a high-density display with a combined resolution of 4320 x 2160 (4K) at 1200 pixels per inch (PPI), the PICO 4 Enterprise provides depth, clarity and smoothness when experiencing VR and AR content.

- **Power & Performance:** Powered for enterprise applications, the PICO 4 Enterprise includes the SnapdragonTM XR2 processor with 256GB storage and 8GB DDR5 RAM. With a 5300mAh battery, the headset can run applications for multiple hours.

Security and Trust

- **Hardware and System Security:** SoC with ARM Trustzone technology and enhanced kernel security.

- **Device-side Data Security:** PICO OS supports all encryption protocols designed for Android, and provides computing and algorithm security.

- **Online Service and Data Security:** Infrastructure, data transmission and storage security enable stable online service.

- **Decided Customer Service team:** Clear policies, procedures and requirements are set up to manage upgrade patches and incident responses.

Mixed Reality Performance

- **Color pass-through:** The front facing RGB camera on the PICO 4 Enterprise enables users to clearly view surroundings without taking off the headset. In addition, the color pass-through supports scenarios where developers want to bring mixed reality experiences within VR applications.

- **PICO Sense Pack:** Build applications with spatial anchors and shared collocation environments.

PICO Patented Optical Positioning Algorithm

- **Minimal motion discomfort:** PICO 4 Enterprise implements a custom SLAM algorithm to capture real-time spatial data which keeps the delay lower than 2ms and ground monitoring error less than 10mm. Seethrough mode opens automatically when the user leaves the play boundary.

- **6DoF controller positioning:** Infrared optical tracking improves accuracy, especially during low light or other sub-optimal light environments.

Signature Counter Balance Design

- **Ergonomic Design:** The PICO 4 Enterprise feels light and comfortable around the head with its soft strap that connects a front HMD and a rear battery pack.

- **Glasses friendly:** The PICO 4 Enterprise is designed to accommodate the use of glasses without any additional pressure on the face, increasing accessibility for users that require prescription glasses.

Easy to Clean: The hygienic and magnetic detachable face cushion allows users to easily clean the face cushion from both sides after each use.

Open and Modern Development Environment

- **Application development:** Compatible with the newest version of all major development environments with PICO SDK: Unity v2.3 Unreal v2.3, OpenXR v2.2, WebXR.

- **Brand new UI design:** With the latest OS, PICO 4 Enterprise provides a more friendly UI to enable users to interact with the operating system at ease, especially those with no previous VR experience.

- **Application stability:** Optimizes application compatibility, endurance performance, and improves application freezing bugs.

- **Casting upgrades:** No device limits, users can cast the PICO screen to a smartTV, browser, smartphone easily.

- **System experience:** Full Android developer setting and PICO Lab features to be able to easily customize PICO 4 Enterprise to meet your require-ments for any operating environment.

- **Built-in PICO Business Suite:** For advanced customization, adminis-trators can leverage the built-in Pico Business Suite to enable extra settings and configurations for system functions. Features include customizing the homescreen, enabling kiosk mode, and controlling and streaming content among multiple devices.

Specifications

Computing Platform

CPU	Qualcomm Snapdragon XR2
RAM	8GB LPDDR5, 6400MHz
ROM	256GB, UFS3.1
OS	Android 10

Display

Resolution	2160 X 2160 per eye at 1200 PPI with a combined resolution of 4320 x 2160
Refresh Rate	72/90Hz

Optics

FOV	105°
Lens	Pancake
IPD	62-72mm,support Auto-adjustment

Cameras

Fisheye	Four monochrome
Seethrough	Monocular RGB,16MP
Eye-tracking	Binocular
Face-tracking	Monocular

Design

Weight	591 grams / 1.3 lbs
Dimension (W X D X H) (mm)	255-310mm (length) X 195mm (width) X 106mm (height)

Charging

Charging	Qualcomm quick charge
Battery capacity	5300mAh, 2.0-2.5h

Accessories

Controllers	Hypersense with 50-500Hz Broadband Motor
Face cushion	PU, magnetic suction

Alkaline Batteries / Glasses Spacer / Nose Pad / USB-C Power Adapter / USB-C to C 2.0 Data Cable

PICO Offerings & Services

Warranty

1-year warranty which includes coverage for the headset, controllers, face cushion, power adapter and USB cable.

https://business.picoxr.com

After-sales technical support

Local support provided for hardware and software needs. subject to certain limitations, conditions and restrictions.