PICO 4 Enterprise

Commercial-Grade All-in-One VR Headset

PICO 4 Enterprise is the latest commercial-grade all-in-one VR headset from PICO that features thin, high resolution pancake lenses and a lightweight ergonomic design. Built with inside-out 6Dof Tracking, the PICO 4 Enterprise enables users to move freely and organically in a 360-degree circle for extended reality (XR) scenarios. Plus, the PICO 4 Enterprise features the next generation of motion tracking technology with support for hand tracking, eye tracking and face tracking. Powered for enterprise applications, the PICO 4 Enterprise includes the Snapdragon™ XR2 processor and access to PICO's Business Suite with a SDK.

Performance

- **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 3840 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 Snapdragon™ XR2 processor with 256GB storage and 8GB DDR5 RAM. With a 5300mAh battery, the headset can run applications for multiple hours.

Comfort & Fit

- **Ergonomic Design:** The PICO 4 Enterprise is designed to feel light and comfortable around the head with its balanced formfactor that includes a front HMD and a rear battery pack.

- **Easy to Clean:** The hygienic and detachable face cushion with the PICO 4 Enterprise allows users to easily clean the face cushion from both sides after each use.

Customization

- **Business Suite:** Administradors can leverage the built in 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.

- **SDK:** The PICO 4 Enterprise includes an SDK which provides low-level APIs to control the headset and implement functions. The SDK supports development with Unity, Unreal, and OpenXR.

Reality

- **6DoF inside-out Tracking:** The PICO 4 Enterprise features inside-out 6Dof Tracking, which enables users to move freely and organically in a 360-degree circle for extended reality (XR) scenarios. The tracking system uses multiple cameras positioned around the PICO 4 Enterprise to determine the precise position of the headset and controllers in a room.

- **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.

- **Motion Tracking:** The PICO 4 Enterprise features the next generation of motion tracking technology with support for hand tracking, eye tracking and face tracking.

Management

- **MDM:** For multiple devices and content deployment within IT infrastructure, PICO 4 Enterprise is compatible with a wide range of MDM partners.

- **Account Access:** PICO 4 Enterprise enables users to quickly launch applications without the need for account registration or social logins, making the deployment of headsets faster and easier for the enterprise.

- **PICO Business Store:** PICO provides a private enterprise store option that can be deployed internally so that users can obtain applications that are whitelisted by administrators.

Security

- **ARM TrustZone technology:** PICO 4 Enterprise uses a System-on-Chip (SoC) that supports ARM TrustZone technology. During the product design and production period, our engineers ensure that the correct security configurations are set for the SoC, which can provide the foundation of hardware-level trust and security protection capability.

- **Security Development Lifecycle:** PICO has established a complete security development lifecycle (SDLC) management mechanism based on industry best practices, and conducts strict security tests on all PICO-owned applications.

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

Charging

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

Design

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

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

After-sales technical support

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