



 Pico



Best-in-class. Built for Business.

Founded in 2015 Pico is a leader in three areas: China domestic market, international enterprise solutions, and mobile phone operators. Pico's open architecture, AAA support, and advanced technologies are unique among global VR manufacturers. Pico was the first company to design an all-in-one VR device and the first standalone VR HMD available globally. Pico enterprise partners are leaders in the field of medical, training, education, location-based entertainment, and remote collaboration applications.

Sales

More than 250K devices sold worldwide.

Market Share

6.4% of global VR market share according to IDC 2019 Q3 market forecast.

Tech Leadership

258 patents approved in China and 24 in the US. Another 277 patent applications accepted and under evaluation in China, 13 in the US and 12 by PCT.



Pico Product Matrix

CURRENT	HEAD	CONTROLLER	DEVICE FEATURES				LAUNCH MONTH	REPLACEMENT PARTS
			Display	Processor	Storage	RAM		
G2 4K	3 DoF	One 3 DoF	4K	835	32	4	March 2019	Controller, Foam Mask, Silicon Straps, Battery*
G2 4K S	3 DoF	One 3 DoF	4K	835	128	4	June 2020	Controller, Foam Mask, Silicon Straps, Battery
G2 4K Enterprise	3 DoF	One 3 DoF	4K	835	128	6	July 2020	Controller, Foam Mask, Silicon Straps, Battery
Neo 2	6 DoF	Two 6 DoF	4K	845	128	6	May 2020	Pair Controllers, Foam Mask
Neo 2 Eye	6 DoF	Two 6 DoF	4K	845	128	6	June 2020	Pair Controllers, Foam Mask

DISCONTINUED	HEAD	CONTROLLER	DEVICE FEATURES				DEVICE OPERATION	DEVICE LIFESPAN**
			Display	Processor	Storage	RAM		
G2	3 DoF	One 3 DoF	3K	835	32	4	August 2018 - June 2020	22 Months
G2 Pro	3 DoF	One 3 DoF	3K	835	64	4	August 2018- June 2020	22 Months
Neo	6 DoF	One 3 DoF	3K	835	64	4	January 2018- June 2019	16 Months
Goblin	3 Dof	One 3 DoF	2.5K	820	16	3	August 2017 - August 2019	24 Months

* Battery is only replaceable on G2 4K from June 2020.

** Pico devices have a 21 month lifespan.



pico G2 4k

The best display currently available in a 3 DoF all-in-one form factor, the Pico G2 4K enhances the G2's revolutionary design with **added clarity for video centric businesses and projects**. See more details and vivid colors when you use the G2 4K.

Specs

DISPLAY	4K Resolution, 101 FOV, 75Hz refresh rate
COMPONENTS	835 Snapdragon, 32GB Storage, 4GB RAM, SD card slot
CONNECTION	BT 4.2, Wifi b/g/n/ac (supports Miracast)
DESIGN	Light Weight (278G), Unique Battery Placement
DEVELOPER	Android 8.1, Pico SDK (Unreal/Unity), Wave SDK
CONTENT	Pico Store, Viveport M, WebVR



pico G2 4k s

The optimal device for most enterprise applications with a 4K resolution, unique weight distribution, and flexible architecture. The G2 4K S improves on the previous design by increasing storage to 128GB and adding a 20% larger battery, which can be more easily serviced to extend the life of the device.

Specs

DISPLAY	4K Resolution, 101 FOV, 75Hz refresh rate
COMPONENTS	835 Snapdragon, 128GB Storage, 4GB RAM, SD Card Slot
CONNECTION	BT 4.2, WIFI b/g/n/ac (supports Miracast)
DESIGN	Serviceable Battery, Unique battery placement
DEVELOPER	Android 8.1, Pico SDK (Unity, Unreal, Native Android), Wave SDK
CONTENT	Pico Store, Firefox Reality Browser (WebXR)



pico G2 ^{4k} enterprise

The G2 4K Enterprise is designed for partners who are using VR for demanding applications and in the most stringent environments. From medical quality materials, an improved 16 MP single RGB camera, and 128GB storage; this is the most advanced 3 DoF HMD ever created.

Specs

DISPLAY	4K Resolution, 101 FOV, 75Hz refresh rate
COMPONENTS	835 Snapdragon, 128GB Storage, 6GB RAM, SD Card Slot
CONNECTION	BT 4.2, WIFI b/g/n/ac (supports Miracast)
DESIGN	Serviceable Battery, Unique Battery Placement, Hygiene Materials, 16 MP Single RGB Camera
DEVELOPER	Android 8.1, Pico SDK (Unity, Unreal, Native Android), Wave SDK
CONTENT	Pico Store, Firefox Reality Browser (WebXR)



New device: **pico** neo2

Introducing the hygienically designed Neo 2 headsets with best in class 4K resolution, comfort, and enterprise functionality: 6 degrees of freedom, occlusion free controllers, PC streaming, and integrated speakers. Our latest headset is built with business in mind.

Specs

DISPLAY	4K Resolution, 101 FOV, 75Hz refresh rate
COMPONENTS	845 Snapdragon, 128GB Storage, 6GB RAM, SD Card Slot
CONNECTION	BT 5, WIFI b/g/n/ac (supports Miracast), PC Streaming
DESIGN	All Silicone & PU Materials, Unique Battery, Easily Adjustable Strap
DEVELOPER	Android 8.1, Pico SDK (Unity, Unreal, Native Android)
CONTENT	Pico Store, Firefox Reality Browser (WebXR)



New device: **pico neo2** eye

Neo 2 Eye, with integrated Tobii eye tracking, delivers a deeper understanding of customer behavior, enhanced training efficiency, and improved productivity. In addition, Tobii Spotlight Technology™ enables foveated rendering, which allows complex shading with consistent and high frame rate, as well as battery performance improvements.

Specs

DISPLAY	4K Resolution, 101 FOV, 75Hz refresh rate
COMPONENTS	845 Snapdragon, 128GB Storage, 6GB RAM, SD Card Slot
CONNECTION	BT 5, WIFI b/g/n/ac (supports Miracast), PC Streaming
DESIGN	All Silicone & PU Materials, Unique Battery, Easily Adjustable Strap, Tobii Eye Tracking
DEVELOPER	Android 8.1, Pico SDK (Unity, Unreal, Native Android)
CONTENT	Pico Store, Firefox Reality Browser (WebXR)



Eye Tracking Technology **tobii**EYETRACKING

Pico Neo 2 Eye is integrated with Tobii's eye tracking, featuring dynamic foveated rendering enabled by Tobii Spotlight Technology™. **Eye tracking** offers enhanced mechanics and data gathering allowing your business to gain key insights into customer behavior, reduce training time, and improve safety and productivity. **Dynamic foveated rendering** powered by Tobii Spotlight Technology reduces GPU shading loads by up to 72%*, which allows for a variety of benefits including increased framerate by up to 66%, improved graphics, or improved battery performance.

Use case examples

IMMERSIVE DESIGN

Making virtual exploration easier with gaze

HIGH QUALITY SIMULATION AND TRAINING

Improving training with safer scenarios and timely insights

NATURAL TELEPRESENCE

Interacting in virtual meet-ups naturally

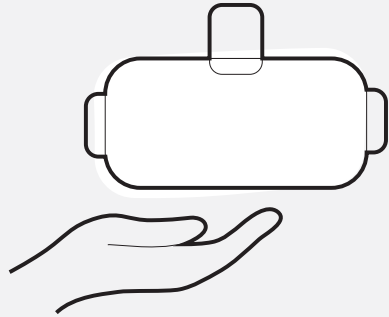
MARKET RESEARCH

Better understanding user and customer behaviors



* Data from the benchmarking test based on dynamic foveated rendering enabled by Tobii Spotlight Technology in Spot's Apartment and conducted on Pico Neo 2 Eye.

Working with Pico

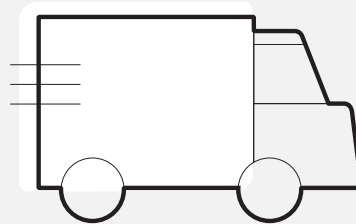


Evaluation

6-week loan for any interested partner;
purchase or return at end.

Dedicated technical support,
documentation, and example code
during loan process.

Convert existing standalone VR project
in approximately 40 hours.

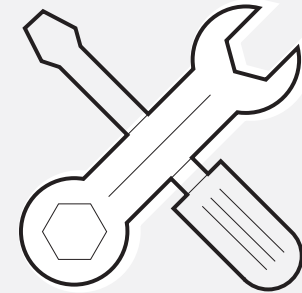


Small Projects

Local inventory with quick delivery for
orders under 100 devices.

Kiosk mode and other enterprise
features to support device setup
for ease of use.

Pico store APK hosting; dedicated store
section for non-gaming applications.



Large Deployments

Customization and pre-installed
applications during manufacturing
process in China.

Pico can develop a custom ROM to
enable OTA updates.

We can facilitate custom branding and
other marketing assets.



Pico Enterprise Partners

Pico partners implement projects with consumers and enterprise customers in a handful of key vertical markets:

Mobile Network Operators



Training and Education



Medical and Wellness



Location-based Entertainment



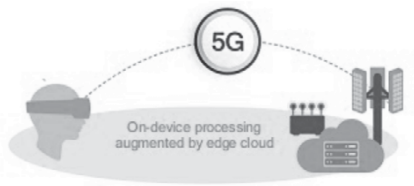
Pico Partner and Technology Ecosystem

With a robust ecosystem of technology and content partners, you can work to get your project to market faster; we welcome the chance to facilitate introductions:



Pico R&D Projects

A glimpse into the future of Pico; should any of these initiatives be of interest we can collaborate to accelerate these projects through NRE or MOQ commitments:



Neo2 5G Model

We are working with mobile network operators to research a standalone 5G device for consumer and enterprise markets.



Pancake Optics

Pico VR Glasses feature enhanced optical technology that allows for a compact, lightweight, and portable headset.



Neo2 Handtracking

Natural input methods using hand recognition; Pico is investigating both optical camera and ToF camera based solutions.



Pico AR One

The Pico AR One is designed around waveguide technology to meet the requirements of lower price and simpler operation.

