

pico neo3 pro

pico neo3 pro eye

More Power at your disposal

Starting with the powerful Qualcomm XR2 processor, 6GB RAM (Neo 3 Pro) or 8GB RAM (Neo 3 Pro Eye), 256GB onboard storage, these new headsets are both lighter and more compact than our previous 6DoF headsets.



Qualcomm
snapdragon
XR2 platform



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Optical Precision at Your Fingertips

The Neo 3 Pro offers an improved accuracy and latency experience with the introduction of two new 6DoF controllers that use 32 optical tracking sensors for complex positioning within an environment. Combined with four wide-angle cameras that bring true millimeter-level positioning and tracking to the headset, stable tracking can be achieved even in low-texture environments with bright or dark settings.

A new user mapping system is both more robust, flexible, and open which allows for a larger range of commercial use-cases without requiring additional devices or setup costs. As VR is adopted further into multi-user training, entertainment, collaborative, and social technology, these tracking solutions will remove hurdles to effective implementation.



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Cross-Platform Capability Plus an Open Platform Expands the Possibilities

With Bluetooth 5.1, 2.4GHz & 5GHz 2X2MIMO 11ax (WiFi6) support, the Neo 3 Pro offers both wireless or native 4K@90Hz high-bandwidth wired connection streaming options via DisplayPort and cable.

The Pico Neo 3 Pro and Neo 3 Pro Eye will also support Nvidia's Direct Mode for enjoying your favorite PC VR content over a DisplayPort connection.

The entire Neo 3 family of headsets also support Nvidia CloudXR™ for VR streaming, offering any business additional ways to integrate mobility into their PC VR workflows to drive design reviews, virtual production, location-based entertainment and more.



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Optimized for Developers

The Neo 3 Pro headsets support all major development tools including Unity, Unreal, Android plus Open Development Architecture (openXR), allowing developers to create the most powerful business applications possible in VR.



android



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tobiiEYETRACKING

Deep Insights, more Profound Understanding.

Tobii Eye Tracking has been completely optimized to boost the Pico Neo 3 Pro Eye's capabilities on the latest Qualcomm XR2 platform. Through this technology, the Pro Eye is designed to deliver exceptional insights into more high-demanding use cases across key verticals such as brain healthcare, training, simulation, and design.



Pico DP Cable

Experience high-definition audio and video synchronization via the Display Port on the Neo 3 Pro and Pro Eye by connecting to your PC with the Pico DP cable*. This cable supports up to 3664*1920 @90Hz to ensure your customers will have a smooth, ultra-low latency experience when tethered to a PC.

The DP cable connects securely to the Neo 3 Pro or Pro Eye through a customized USB Type-C screw design to ensure a secure connection at all times. The cable is also affixed to the headset strap via a special connector for added cable management and comfort.

Through the standard DC5.5mm interface external power supply you will also have uninterrupted power for your Pico headset for extended sessions.

Specs

MODEL	E3B1P
INPUT	DisplayPort + USB2.0A + DC5.5 Female
OUTPUT	Customized USB Type C DP
RESOLUTION	Max 3664 x 1920 @ 90HZ Hot Plug & Play detection Supports DP1.4 and USB 2.0
USB 2.0A POWER	5V, Max 2.5V
DC5.5 POWER	5V~12V, Max 24W
CABLE MATERIAL	Active Optical
CABLE DIAMETER	4.8MM
LENGTH	5M
WEIGHT	240G



Pico Neo 3 Pro and Pro Eye Specs

DISPLAY	Screen	5.5inch VR TFT, PPI:773	GUARDIAN		Pass-through and Multi-room 10m*10m
	Resolution	3664 x 1920, 72/90Hz			
OPTICS	FOV	98	CAMERA		4x Mono fisheye cameras
	Lens	Fresnel			Eye tracking: 2 x Monochrome (400 x 400 @90Hz)*
	IPD	Physical adjustment: 58/63.5/69mm** Supports eyeglasses	AUDIO		Larger integrated Speaker, dual mic, 3.5mm jack
CPU		Qualcomm XR2 (865)	BATTERY	Headset	2.5~3h, 5300mA
STORAGE	RAM	6GB/8GB*	CONTROLLER	Controllers	Up to 100h, 2x AA 1.5V dry batteries
	Storage	256GB			
WIRELESS	Bluetooth	5.1	MATERIALS		All sanitizable materials for maximum hygiene
	WiFi	2.4G&5G 2X2MIMO 11ax(WiFi6) WiFi PC Streaming (+ wired connection via DP cable)			

*Available in Neo 3 Pro Eye Model Only
** Only on the Neo 3 Pro Model

