

# PICO NEO 3 PRO EYE

## REVIEW

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# INTRODUCTION



Pico Neo 3 Pro is currently the solution for Virtual Reality in business: Quick setup, intuitive access to your own files and apps, no login required (except for the Pico App Store), superb image and finally good VR controllers. The tracking is flawless, image clarity is excellent, and the interpupillary distance can be adjusted in three steps.

Native image transmission via DP cable works well (if you manage to get it to work technically). Wireless streaming ran flawlessly with low data transmission. The Pico Neo 3 pro eye is an all-in-one, stand-alone Virtual Reality headset. It integrates an eye tracking system useful for collecting data from companies. Its 4K resolution of 3664 x 1920 pixels makes it an effective headset for VR immersion. An ideal VR headset for training, collaboration or even entertainment.

# KEY FEATURES

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6DoF positioning



Qualcomm XR2 platform



Wired streaming



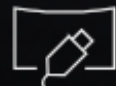
Wireless streaming



4K HD screen



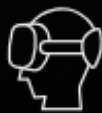
98°FOV



Stable wired casting



Eye tracking



Business-level comfort



Business-level solutions

# CONTENT OF THE BOX



- 1 x pico neo 3 pro
- 2 x neo touch controllers
- 1 x usb-c adapter
- 1 x usb-c to usb-c cable
- 1 x guide
- 1 x cleaning clothe

# **PICO NEO 3 PRO EYE REVIEW :**

An autonomous Virtual Reality headset



The Pico G3 Neo Pro eye enables rich immersion in VR without requiring setup costs or additional devices.

Its four wide-angle cameras record precise positioning and headtracking is performed at a millimeter level.

The two controllers are easy to handle and have 6 degrees of freedom.

Their 32 optical tracking sensors allow positioning of arm and hand movements even in complex environments.

# **PICO NEO 3 PRO EYE REVIEW :**

The eye function for professionals



The little extra that the Pico Neo 3 pro eye has compared to the standard model is the integrated eye tracking.

This monitoring allows data to be collected on the user's behavior when wearing the headset.

This feature is intended for professionals who want to correct, improve and adjust the use of the headset with VR applications.

Reduce the time required for training and improve your productivity.

# **PICO NEO 3 PRO EYE REVIEW :**

A powerful all-in-one headset



The Pico Neo 3 Pro eye has a Qualcomm XR2 processor with 6gb of RAM.

It streams content to a 4K LCD display whose resolution is made crisp and smooth by 3664 x 1920 pixels and a refresh rate of up to 90Hz.

It supports NVIDIA direct mode and native 4K @ 90Hz high bandwidth wired connection for Pico VR streaming.

# **PICO NEO 3 PRO EYE REVIEW :**

A design designed for user comfort



Compared to its predecessors, the Pico Neo 3 Pro is much lighter and more compact.

Its completely hygienic materials make it easy to clean, for example using wipes.

Its counterweight and ergonomic design makes it comfortable to wear even during long sessions.

The interpupillary distance adjustment is at three levels and reduces eye strain for the user.



# **SPECIFICATION:**

## **DISPLAY**

LCD with 5,5" diagonale

## **RESOLUTION**

3.664\* 1.920 Pixel, 773 PPI

## **REFRESH RATE**

90 Hz

## **FIELD OF VIEW**

98°

## **IPD**

58 - 69mm

## **TRACKING**

Pico Neo 3 Inside-out-Tracking  
via 4x Mono fisheye cameras

## **AUDIO**

- Integrated speaker & microphone
- 3,5 mm audi jack

## **PROCESSOR**

Qualcomm Snapdragon™ XR2  
(865)

# **SPECIFICATION:**

## **RAM**

8 GB LPDDR4x RAM

## **MEMORY**

256 GB internal

## **BATTERY**

5300 mAh,

3-4 hours run time

## **WIRELESS**

BT 5.1 & WiFi 6

PC content streaming via Pico Neo 3 Displayport cable or WiFi6 (2.4 GHz & 5 GHz 2X2MIMO 11ax )

## **PORTS**

1 x USB-C

EYE TRACKING SPECIFICATIONS

## **GAZE DATA OUTPUT FREQUENCY (BINOCULAR)**

90Hz

# **SPECIFICATION:**

## **SDK ENGINE COMPATIBILITY**

Unity – Via Pico SDK

Unreal – Via Pico SDK

Tobii XR SDK

## **CALIBRATION**

5-point calibration

## **IDEAL ACCURACY FOR EYE ROTATION**

0.5 degrees

## **EYE TRACKING INTERFACE**

Pico SDK

## **GAZE ANGLES**

25° left/right/down and 20° up

## **DATA OUTPUT (EYE TRACKING DATA)**

Gaze direction (combined)

Gaze origin (combined)

Position guide



## **What is the resolution of Pico Neo 3 Pro?**

The Pico Neo 3 pro eye is an all-in-one, stand-alone Virtual Reality headset. It integrates an eye tracking system useful for collecting data from companies. Its 4K resolution of 3664 x 1920 pixels makes it an effective headset for VR immersion. An ideal VR headset for training, collaboration or even entertainment.

## **What are the system requirements for Pico Neo 3?**

VR Ready PC hardware and system configuration:  
Processor: Intel® Core™ i5-4590 and AMD Ryzen 1500 or higher. Graphics: NVIDIA® GeForce® GTX 1060 and AMD Radeon RX 480 or higher. RAM: 8GB or more. OS: Windows 10 and above.



## **What is the field of view of Pico Neo 3 Pro?**

98°

4K resolution (3664 x 1920 pixels) 6 DoF Room-Scale Tracking. 98° field of view.

## **How do you cast to screen on Pico Neo 3?**

After opening Cast for PICO on your TV, open the screencast app on your PICO headset, select "Cast to Smart TV", find your TV from the list, and click "Connect".

## **How much does Pico Neo 3 weigh?**

What is the weight of the Pico Neo 3 Pro? The weight of the VR headset is 395 g without headstrap and 620 g with headstrap.



## **Does Pico VR have eye tracking?**

Pico Neo 3 Pro Eye combines Tobii eye tracking, with smart design choices, and the capabilities of Qualcomm's Snapdragon XR2 chipset, resulting in a comfortable, powerful, and portable device.

## **Does Pico 3 have hand tracking?**

If purchased as a bundle the UltraleapHand Tracking Accessory comes mounted to the front of your Pico Neo 3 Pro. Ultraleap's core Hand Tracking Software will also be pre-installed on your headset.



OUR

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