NVIDIA and Lenovo Deliver Advanced Extended-Reality Streaming With ThinkReality VRX and CloudXR

Lenovo’s newest all-in-one enterprise virtual-reality solution uses NVIDIA CloudXR to deliver high-quality, immersive, GPU-powered extended-reality experiences.

Author: Greg Jones

To help hybrid workers do their jobs from anywhere, more enterprises around the world are turning to extended reality (XR) technologies.

These technologies are becoming more accessible with advanced streaming solutions like NVIDIA CloudXR and the new Lenovo ThinkReality VRX headset. Whether for design reviews or virtual collaboration, advanced XR solutions enable professionals to tackle complex workflows while maintaining productivity and efficiency.

Lenovo’s new all-in-one VR headset was built with enterprise use cases in mind. Users can stream immersive experiences using ThinkReality VRX as a standalone device, or tethered to a PC or workstation. And with NVIDIA CloudXR, they can easily stream and deliver high-quality, photorealistic XR experiences.

NVIDIA CloudXR allows creative and technical professionals to take advantage of powerful NVIDIA RTX GPUs to stream to their Lenovo ThinkReality VRX and collaborate in high-fidelity, immersive virtual environments from any location.

The ThinkReality VRX headset incorporates several key design advancements to make it more comfortable for extended VR sessions in the office, at home or wherever the hybrid workforce is getting things done.

Innovative pancake optics and a slim design reduce the overall profile of the headset, while optimal battery position for better weight distribution and balance provides a better fit and feel. Pass-through technology also offers mixed-reality (MR) application capabilities, allowing users to superimpose 3D graphics on the real world so workers can get more done with a single XR device.

The Lenovo ThinkReality VRX is supported by a full suite of end-to-end services — from consulting and content creation to cloud deployment and customer support — to help organizations achieve success in the new realities of the business environment. The built-in ThinkReality software platform includes mobile device management features to make deployment and configuration of the VRX simpler for IT teams.

And with NVIDIA CloudXR, which is built on NVIDIA RTX technology , users can choose from a variety of configurations and setups. Professionals and developers can easily stream experiences over 5G or WiFi to the ThinkReality VRX headset from a Lenovo desktop, laptop or server — which can be at home or in a data center hundreds of miles away.

CloudXR dynamically adjusts to network conditions, so it can maximize quality and frame rates to deliver the best XR experience. And CloudXR delivers immersive content to the Lenovo ThinkReality VRX with a level of fidelity that’s indistinguishable from native tethered configurations.

The ThinkReality VRX also supports enterprise-grade security practices with a secure supply chain and manufacturing process that thoroughly vets every component and service supplier.

The Lenovo ThinkReality VRX will be available in select markets starting early next year.

Learn more about NVIDIA CloudXR and Lenovo ThinkReality VRX.

Original URL: https://blogs.nvidia.com/blog/2022/09/28/cloudxr-lenovo-thinkreality-vrx/