XREAL X7011

XREAL Eye Instruction Manual

Model: X7011 | Brand: XREAL

Introduction to XREAL Eye

The XREAL Eye is a lightweight, powerful micro camera designed as an add-on for the XREAL One Series glasses. Weighing approximately 1.5 grams, it enhances the functionality of your XREAL One Series glasses by enabling native 6DoF (Six Degrees of Freedom) spatial anchoring, instant photo and video capture, and mixed reality recording capabilities.

Image: The compact XREAL Eye micro camera, designed for seamless integration with XREAL One Series glasses.

Setup and Installation

The XREAL Eye is specifically designed for the XREAL One Series glasses. It is not compatible with older models or other augmented reality (AR) glasses.

1. **Remove the Cap:** Locate the rectangular cap at the bridge of the nose on your XREAL One Series glasses. Carefully remove this cap.
2. **Connect the XREAL Eye:** Gently insert the XREAL Eye into the designated port at the bridge of the glasses. Ensure it is securely connected.
3. **Enable Spatial Anchor:** After connecting, navigate to the settings menu on your XREAL One Series glasses. Go to **Display** and select **Spatial Anchor** to activate the 6DoF feature.

Your browser does not support the video tag.

Video: Official XREAL guide demonstrating the pairing process of the XREAL Eye with XREAL One Series glasses.

Image: The XREAL Eye securely attached to the bridge of XREAL One Series glasses, ready for use.

Operating Features

Native 6DoF Spatial Anchor

When connected to the XREAL Eye, your XREAL One Series glasses gain native 6DoF (Six Degrees of Freedom) spatial anchoring capabilities. This feature allows virtual content to remain fixed in space, providing a more stable and immersive augmented reality experience. You can move around, lean in, or step back, and the virtual objects will maintain their position relative to your environment.

Image: A user interacting with a spatially anchored virtual screen, demonstrating the 6DoF capability.

Instant Photo & Video Capture

The XREAL Eye enables instant photo and video capture directly through your glasses. Use the dedicated button on your glasses to snap photos or record videos of your augmented reality view. Captured files are saved onboard the device, allowing you to export them later to your smartphone, tablet, or computer without immediate phone access.

Image: A user demonstrating one-touch capture functionality with the XREAL Eye and XREAL glasses.

Mixed Reality Recording (Requires XREAL Beam Pro)

For mixed reality recording, connect your XREAL One Series glasses with the XREAL Eye to an XREAL Beam Pro device. This setup allows you to record both virtual and real-world content simultaneously, capturing your mixed reality experiences exactly as you perceive them. This feature requires the XREAL Beam Pro accessory.

Image: An illustration of mixed reality recording, blending virtual applications with the real environment.

Specifications

Feature	Detail
Model Name	X7011
Sensor Type	BSI CMOS
Effective Still Resolution	12 MP
File Format	JPEG, MP4
Video Capture Format	MP4
Special Features	Mixed Reality Recording, 6DoF Spatial Anchor

Form Factor	Ultracompact
Color	Black
Connectivity Technology	USB
Water Resistance Level	Not Water Resistant
Image Stabilization	No

Care and Maintenance

To ensure the longevity and optimal performance of your XREAL Eye, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to gently clean the camera lens and body. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the XREAL Eye in a cool, dry place, away from direct sunlight and extreme temperatures. The recommended storage temperature is 0°C to 35°C (32°F to 95°F).
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.

Troubleshooting

If you encounter issues with your XREAL Eye, consider the following:

- **Spatial Anchor Drift:** If the virtual screen appears to drift or move unexpectedly, ensure you are in a well-lit environment. The 6DoF tracking relies on visual cues from your surroundings. In some environments, such as moving vehicles (e.g., airplanes), 6DoF functionality may be limited or require disabling the spatial anchoring feature.
- **Connectivity Issues:** Ensure the XREAL Eye is securely connected to your XREAL One Series glasses. Verify that the Spatial Anchor setting is enabled in the glasses' display options.
- **Software Updates:** Ensure your XREAL One Series glasses and any associated applications are running the latest software versions. Software updates often include performance improvements and bug fixes that can address functionality issues. Refer to the official XREAL website for the latest updates and support information.
- **Button Functionality Changes:** Be aware that connecting the XREAL Eye may alter the customizable button options on your XREAL One Series glasses. If a specific function is no longer available, it may be due to the Eye's integration.

Warranty and Support

XREAL provides a limited warranty for its hardware products. For detailed warranty information, including terms, conditions, and how to make a service request, please visit the official XREAL website or refer to the warranty card included with your product. This product is designed to be used by adults and is not intended for children.

For further assistance or to view the latest user guides, visit the XREAL support page: www.xreal.com/support.