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UNISHEEN UC2700H

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Model: UC2700H | Brand: UNISHEEN

INTRODUCTION

The UNISHEEN UC2700H is a high-performance USB 3.2 game capture card designed for recording and streaming high-quality video. It supports 4K60 Ultra HD resolution, 1080P at 240 FPS, HDR, and Variable Refresh Rate (VRR) passthrough, ensuring a smooth and immersive experience. This manual provides detailed instructions for setting up, operating, and maintaining your capture card.

WHAT'S IN THE BOX



Image: Contents of the UNISHEEN UC2700H package.

- UNISHEEN UC2700H USB 3.2 Game Capture Card
- USB Cable
- Type-C Adapter
- User Manual

PRODUCT OVERVIEW

The UNISHEEN UC2700H capture card is designed for high-fidelity video capture and passthrough. Key features include:

- **4K60 Ultra HD Resolution:** Supports 4K ultra-high-definition resolution for crisp and vivid images.
- **High-Speed Transmission:** Utilizes USB 3.2 Gen1 interface and HDMI 2.0 signal input/output for faster transmission speeds and low latency.
- **240Hz HDR Technology:** Supports a 240Hz refresh rate and HDR for ultra-smooth motion and stunning color accuracy.

- **VRR Support:** Variable Refresh Rate (VRR) eliminates screen tearing and stuttering for a seamless viewing experience.
- **Wide OS Compatibility:** Compatible with Windows 7/8.1/10/11, Windows Server 2008 R2, Linux, macOS 10.10 and higher, and Android.



Image: UNISHEEN UC2700H Capture Card.

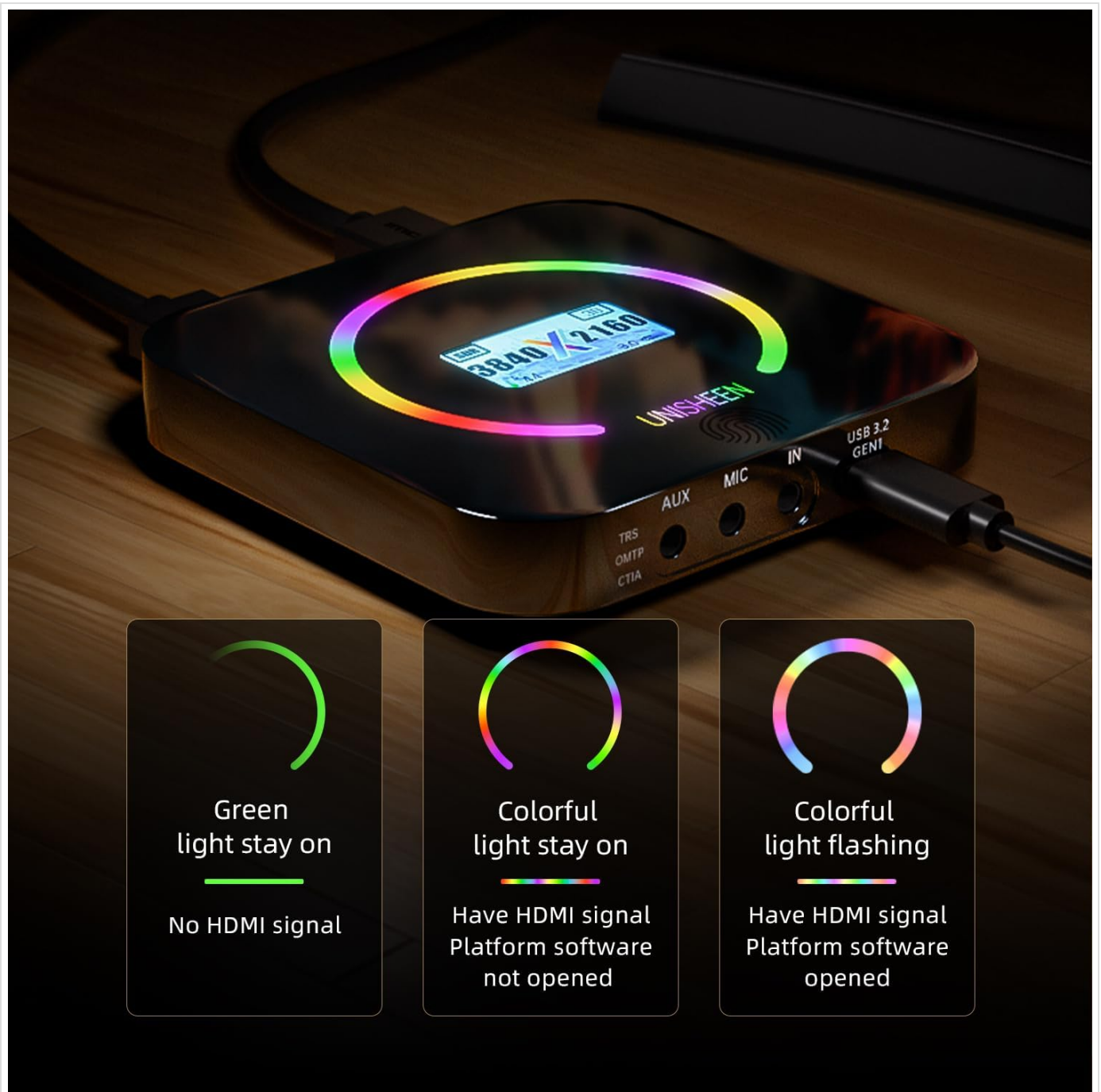


Image: LED Indicator States on the UC2700H.

SETUP

1. Physical Connections

Connect your devices to the capture card as follows:

- Connect your gaming console (e.g., PS5, Switch) or other video source to the **HDMI IN** port on the capture card using an HDMI 2.0 cable.
- Connect your display (monitor or TV) to the **HDMI OUT** port on the capture card using an HDMI 2.0 cable for passthrough.
- Connect the capture card to your computer using the provided USB 3.2 Gen1 Type-C cable. Use the Type-C adapter if your computer only has standard USB-A ports.
- For external audio input, connect a microphone to the **MIC** port or a mixer to the **AUX** port.
- For audio monitoring, connect headphones to the **TRS OMTP CTIA** port.

4K60 HDR CAPTURE

Support 4K60fps, 2K144fps, 1080p240fps capture,
4k60 HDR HDMI video loop-out



Image: Typical setup for 4K60 HDR capture.

Faster Transmission Refuse To Lag



Image: High-speed transmission ports on the UC2700H.

2. Software Installation and Configuration

The UC2700H is plug-and-play and generally does not require specific drivers for basic functionality on supported operating systems. For advanced recording and streaming, Open Broadcaster Software (OBS Studio) is recommended.

- **Operating System Compatibility:** Supports Windows 7/8.1/10/11, Windows Server 2008 R2, Linux, macOS 10.10 and higher, and Android.
- **OBS Studio:** Download and install the latest version of OBS Studio from the official website.
- **Adding the Capture Card in OBS:**
 1. In OBS, click the '+' icon under the 'Sources' panel.
 2. Select 'Video Capture Device'.
 3. Choose 'Create new' and name your source (e.g., "UNISHEEN Capture").
 4. In the properties window, select 'UNISHEEN UC2700H' (or similar) from the 'Device' dropdown.
 5. Configure resolution, FPS, video format, and color range as needed for optimal quality.

Your browser does not support the video tag.

Video: UC2700H Capture Card Overview. This video provides a visual overview of the UNISHEEN UC2700H capture card's features and basic setup.

OPERATING THE CAPTURE CARD

1. Recording and Streaming

Once the capture card is connected and configured in OBS Studio, you can begin recording or streaming:

- **Recording:** Click 'Start Recording' in OBS Studio to capture your video feed.
- **Streaming:** Configure your streaming platform (Twitch, YouTube, Facebook Gaming, etc.) in OBS settings and click 'Start Streaming'.
- The UC2700H supports RGB 24-bit format recording for original quality true color reproduction.



Image: RGB Format Recording capability.

LIVE BROADCAST

It is widely used in mainstream media live broadcast platforms



Image: Compatibility with various live broadcast platforms.

2. LED Indicator Status

The LED indicator on the capture card provides visual feedback on its status:

- **Green light stay on:** No HDMI signal detected.
- **Colorful light stay on:** HDMI signal detected, but platform software (e.g., OBS) is not open.
- **Colorful light flashing:** HDMI signal detected and platform software is open/active.

MAINTENANCE

To ensure the longevity and optimal performance of your UNISHEEN UC2700H capture card, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

- **Cable Care:** Handle cables gently. Avoid bending or crimping them sharply to prevent damage.
- **Ventilation:** Ensure the device has adequate ventilation to prevent overheating, especially during extended use.

TROUBLESHOOTING

If you encounter issues with your UNISHEEN UC2700H, refer to the following common solutions:

- **No Signal / Black Screen:**
 - Verify all HDMI cables are securely connected to the correct IN/OUT ports.
 - Ensure your video source (console, PC) is powered on and outputting a signal.
 - Check the LED indicator on the capture card for status (Green light indicates no HDMI signal).
 - Confirm that the resolution and refresh rate settings in your OBS Studio (or other capture software) match the output of your source device.
 - Some user reviews indicate sensitivity to USB 3.x ports. Try connecting to a different USB 3.x port on your computer.
- **Latency Issues:**
 - Ensure you are using a USB 3.2 Gen1 (or USB 3.0/3.1) port on your computer for optimal speed.
 - Minimize background applications on your computer that may consume CPU/GPU resources.
 - For gaming, utilize the HDMI passthrough to your monitor for near-zero latency gameplay, while capturing on your computer.
- **Audio Problems (Echo/No Sound):**
 - Check audio settings in OBS Studio to ensure the correct audio input device is selected and levels are adjusted.
 - Verify external microphone/mixer connections to the AUX/MIC ports.
- **HDR/VRR Not Working:**
 - Ensure both your source device and display support HDR/VRR and are configured to enable these features.
 - Use high-quality HDMI 2.0 cables.

SPECIFICATIONS

Feature	Detail
Brand	UNISHEEN
Model Number	UC2700H
Hardware Interface	HDMI, USB 3.2 Gen1 Type-C
Video Capture Resolution	Up to 4K60 (input/passthrough), 1080p240 (capture)
Operating System Compatibility	Windows 7/8.1/10/11, Windows Server 2008 R2, Linux, macOS 10.10+, Android
Item Weight	5.3 ounces
Product Dimensions (LxWxH)	3.5 x 3.5 x 0.5 inches
Recommended Uses	Video Recording, Live Streaming

SUPPORT AND WARRANTY

For any questions or further assistance regarding your UNISHEEN UC2700H capture card, please contact our support team. If you experience product damage upon receipt, exchanges can be arranged through the Amazon platform within 30 days.

- **Contact Support:** Find your order on Amazon and click the "Contact Seller" button. Our team aims to resolve issues within 24 hours.
- **Protection Plans:** Optional 3-Year and 4-Year Protection Plans are available for purchase separately.