

UNISHEEN UR550

UNISHEEN UR550 4K HD Video Recording Box User Manual

Model: UR550

1. INTRODUCTION

The UNISHEEN UR550 is a versatile 4K HD video recording box designed for standalone operation. It features a 7-inch display and supports a wide array of input interfaces including HDMI, 3G-SDI, DVI, YPbPr, CVBS, and S-Video, making it compatible with various video sources such as cameras, endoscopes, and gaming devices. The device is capable of 4K input and high-definition recording, offering an HDMI loop-out function for simultaneous monitoring. With a built-in 1TB SSD, remote control, and foot switch support, the UR550 provides a comprehensive solution for video capture and storage.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact UNISHEEN customer support.

- UNISHEEN UR550 Video Recording Box
- Remote Control
- Power Adapter
- HDMI Cable
- USB Cable
- VGA Cable
- YPbPr/AV Cable
- S-Video Cable
- SDI Cable
- Foot Switch
- User Manual (this document)



Image: UNISHEEN UR550 Video Recording Box and included accessories.

Your browser does not support the video tag.

Video: An overview of the UNISHEEN UR550 Video Capture Box, showcasing its various components and interfaces.

3. PRODUCT OVERVIEW

The UNISHEEN UR550 features a compact design with a 7-inch LCD display for direct monitoring. The device includes various ports for video input, output, and storage, along with control buttons and indicator lights.

Front Panel

The front panel houses the 7-inch display, indicator lights for storage and recording status, and buttons for switching source and starting/stopping recording.



Image: Front view of the UNISHEEN UR550 Video Recording Box with its remote control.

Side and Rear Panels

The side and rear panels provide access to all input/output ports, power connection, and storage slots.

Remote Control Playback Video

Playback video can be operated directly by remote control after video recording



Image: Detailed diagram of UNISHEEN UR550 ports and controls, including Power, TO PC, HDMI Out, SDI In, S-Video, DVI/HDMI In, VGA/YPbPr/AV In, SD Card, USB Storage, Power ON/OFF, Line IN, Mic In, Line Out, and Foot Snapshot.

4. SETUP

4.1 Power Connection

1. Connect the provided power adapter to the 'Power' port on the UR550.
2. Plug the power adapter into a suitable electrical outlet.
3. Press the 'Power ON/OFF' button to turn on the device.

4.2 Connecting Input Sources

The UR550 supports multiple video input types. Choose the appropriate cable for your source device:

- **HDMI:** Connect an HDMI cable from your source device to the 'DVI/HDMI IN' or 'VGA/YPbPr/AV IN' port (using an adapter if necessary) or directly to the dedicated HDMI input if available.
- **3G-SDI:** Connect an SDI cable from your source device to the 'SDI IN' port.
- **DVI:** Connect a DVI cable from your source device to the 'DVI/HDMI IN' port.
- **YPbPr (Component Video):** Connect a YPbPr cable set to the 'VGA/YPbPr/AV IN' port.
- **CVBS (Composite Video/RCA):** Connect an RCA cable to the 'VGA/YPbPr/AV IN' port.
- **S-Video:** Connect an S-Video cable to the 'S-Video' port.
- **VGA:** Connect a VGA cable to the 'VGA/YPbPr/AV IN' port.

4.3 Connecting Output Display (HDMI Loop Out)

To view the input signal on an external monitor while recording, connect an HDMI cable from the 'HDMI OUT' port on the UR550 to your external display.

4.4 Inserting Storage

The UR550 has a built-in 1TB SSD. For additional storage or transfer, you can use an SD card or a USB disk.

- **SD Card:** Insert an SD card into the 'SD Card' slot on the side of the device.
- **USB Disk/External HDD:** Connect a USB flash drive or external hard drive to the 'USB Storage' port.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the 'Power ON/OFF' button located on the side of the device to turn it on or off. The display will illuminate upon power-on.

5.2 Source Selection

Use the 'Switching Source' button on the front panel or the corresponding input buttons on the remote control (e.g., HDMI, SDI, VGA, AV) to select the desired video input source.

5.3 Recording Video

1. Ensure your video source is connected and selected.
2. Press the 'Start/Stop Recording' button on the front panel or the 'REC' button on the remote control to begin recording. A red indicator light will typically illuminate, and a 'REC' icon will appear on the screen.
3. To stop recording, press the 'Start/Stop Recording' button or the 'STOP' button on the remote control again. The recording will be saved to the selected storage location (internal SSD, SD card, or USB disk).

The UR550 supports recording in high-definition resolutions such as 1920x1080p60/50 and 1280x720p60/50.

5.4 Playback Recorded Videos

- 1. Press the 'PLAYBACK' button on the remote control to access the recorded file list.
- 2. Navigate through the files using the arrow keys on the remote.
- 3. Press 'OK' to select and play a video.
- 4. Use the remote control for playback functions such as pause, fast forward, and rewind.

5.5 Taking Screenshots

You can capture still images during recording or playback.

- **Remote Control:** Press the 'PHOTO' button on the remote control.
- **Foot Switch:** Press the connected foot switch.



Mixable Audio Recording

Support Line, Mic input, Line output, can be connected to headphones to monitor sound, can be connected to the microphone commentary for recording, or access to the mixer.

Image: User taking a screenshot with the UNISHEEN UR550 using a foot pedal, with the device displaying a video.

5.6 Menu Settings

Access the device settings using the remote control to configure various parameters.

- **System:** Adjust record resolution, storage settings, file size limits, loop recording, time watermark, and system time.
- **Image:** Modify brightness, contrast, saturation, and backlight.
- **Audio:** Control HDMI volume, Mic volume, Line In volume, Speaker volume, and Line Out volume.
- **Schedule:** Set up scheduled recordings.

Menu Setting

Show time < Off >

Record Resolution < 1920x1080 >

Storage setting < Internal REC >

Bitrate < Mid >

File size < 4G >

Loop Recording < Off >

Show REC < On >

Time Watermark < Off >

System time < 2023-05-10 16:39 >

 System

Brightness < 45 >

Contrast < 40 >

Saturation < 50 >

Backlight < 90 >

VGA Auto < Press ok >

Decoder Update < Press ok >

Encoder Update < Press ok >

Restore < Press ok >

Language < English >

Version < E20230215U >

 Image

HDMI Volume < 100 >

Mic Volume < 30 >

Line in Volume < 10 >

Speaker Volume < 50 >

Line out volume < 20 >

Line out mixed < Off >

 Audio

Schedule recording < Off >

Schedule mode < Once >

 Schedule

Image: Screenshot of the UNISHEEN UR550 menu settings, showing options for System, Image, Audio, and Schedule configurations.

6. CONNECTIVITY

The UR550 is designed with extensive connectivity options to accommodate a wide range of video and audio equipment.

6.1 Video Input Interfaces

- **HDMI:** Supports 4K input resolution (4096x2160p30).
- **3G-SDI:** Professional video interface for high-quality, long-distance signal transmission.
- **DVI:** Digital video interface.
- **VGA:** Analog video interface.
- **YPbPr (Component Video):** Analog video interface for high-quality color separation.
- **CVBS (Composite Video/RCA):** Standard analog video interface.
- **S-Video:** Analog video interface with separate luminance and chrominance signals.



Image: Diagram illustrating the various video input signals supported by the UNISHEEN UR550, including HDMI, DVI, VGA, SDI, S-Video, BNC, YPbPr, and AV, along with compatible equipment like camcorders, drones, gaming devices, TV boxes, DVD players, and endoscopes.

6.2 HDMI Loop Out

The HDMI loop out port allows you to connect an external display to simultaneously view the input video signal without interruption during recording.

6.3 Audio Input/Output

- **Line In:** For connecting external audio sources.
- **Mic In:** For connecting a microphone for commentary or voice-over.
- **Line Out:** For connecting headphones or external speakers to monitor audio.

7. STORAGE

The UNISHEEN UR550 offers flexible storage options for your recorded content.

- **Built-in 1TB SSD:** The device includes a high-capacity 1TB Solid State Drive for internal storage of videos and screenshots.

- **SD Card Slot:** Supports external SD cards for additional storage or easy transfer of files.
- **USB Storage:** A USB 3.0 port allows connection of USB flash drives or external hard drives for expanded storage.

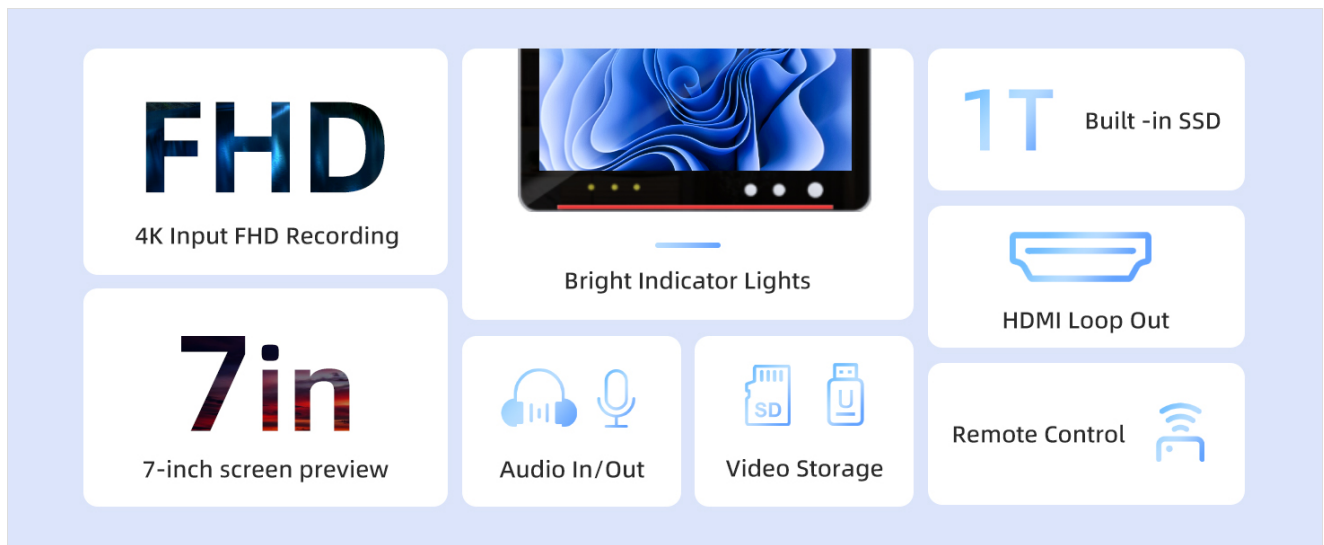


Image: Diagram illustrating the multiple storage methods supported by the UNISHEEN UR550: U Disk, SD Card, and Hard Drive.

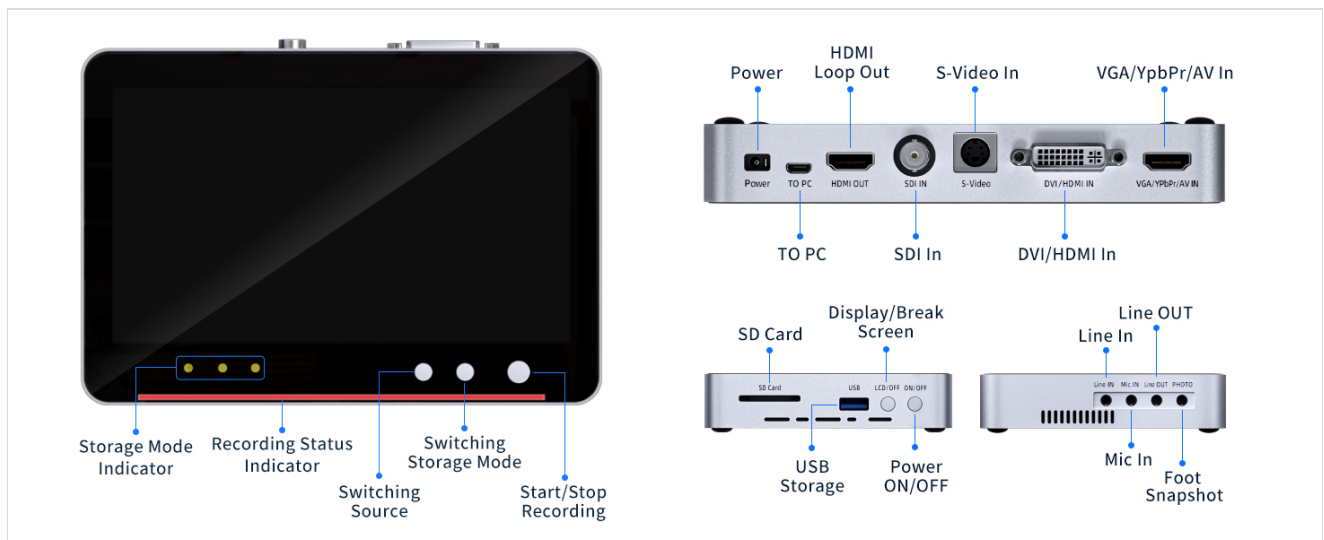


Image: Graphic depicting the built-in 1TB Solid State Drive (SSD) of the UNISHEEN UR550, highlighting its high-speed USB 3.0 input capability.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your UR550 recording box.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device and the screen. Avoid using liquid cleaners or abrasive materials.
- **Heat Dissipation:** The UR550 features a built-in high-speed cooling fan and multiple cooling holes. Ensure these vents are not obstructed to prevent overheating.
- **Firmware Updates:** Periodically check the manufacturer's website for any available firmware updates to ensure your device has the latest features and bug fixes.

Support 8 kinds of video signals

HDMI



DVI



VGA



SDI



S-Video



BNC



YPbPr



AV



Interface Support

Equipment Support

Camcorder

Drone

Gaming Device

TV Box

DVD Player

Endoscope

Image: Close-up images highlighting the high-quality aluminum material, double heat dissipation design with cooling holes, and LED indicator lights of the UNISHEEN UR550.

9. TROUBLESHOOTING

If you encounter issues with your UNISHEEN UR550, refer to the following common problems and solutions:

- **No Signal on Display:**
 - Check all cable connections (input source, HDMI loop out).
 - Ensure the correct input source is selected on the UR550.
 - Verify the source device is powered on and outputting a signal.
 - Try a different input cable or port.
- **Recording Failure:**
 - Check if there is sufficient storage space on the internal SSD, SD card, or USB disk.
 - Ensure the storage device is properly inserted and recognized.
 - Verify the input signal is stable.
- **Remote Control Not Responding:**
 - Check the batteries in the remote control and replace if necessary.
 - Ensure there are no obstructions between the remote and the device's IR receiver.
- **Device Overheating:**
 - Ensure the ventilation holes are clear and not blocked.
 - Operate the device in a well-ventilated area.

10. SPECIFICATIONS

Model Number	UR550
Brand	UNISHEEN
Screen Size	7 Inches

Display Type	LCD
Connectivity Technology	HDMI, USB, VGA, SDI, DVI, YPbPr, S-Video, RCA
Max Input Resolution	4096x2160p30 (via HDMI)
Recording Resolutions	1920x1080p60/50, 1280x720p60/50, and more
Internal Storage	1TB SSD
External Storage Support	SD Card, USB Disk/External HDD
Item Weight	5.02 pounds
Package Dimensions	12.87 x 8.82 x 5.71 inches

11. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your UNISHEEN UR550, please refer to the contact information provided with your product packaging or visit the official UNISHEEN website. Our customer service team is available to assist you with any issues or questions you may have.

ASK A QUESTION ABOUT THIS MANUAL

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