Datavideo HS-1300

Datavideo HS-1300 6-Channel HD Portable Video Studio Switcher User Manual

Model: HS-1300

Brand: Datavideo

1. Introduction

The Datavideo HS-1300 is a cost-effective, all-in-one 6-channel hand-carry mobile studio designed for high-definition video production. It integrates switching, streaming, and recording capabilities into a single portable unit. This device simplifies your workflow by eliminating the need for external encoders for streaming, as it features a built-in H.264 encoder. Users can connect the HS-1300 to a network to stream programs to their preferred Content Delivery Network (CDN) and record the program output directly to an SD card.

2. Safety Information

Please read all safety instructions carefully before operating the Datavideo HS-1300. Retain this manual for future reference.

- Ensure the power supply voltage matches the unit's requirements.
- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid blocking ventilation openings to prevent overheating.
- Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.
- Keep the unit away from strong magnetic fields.

3. Package Contents

Verify that all items are present in the package. If any items are missing or damaged, contact your dealer immediately.

- Datavideo HS-1300 Main Unit
- Power Adapter
- User Manual (this document)
- Other accessories (e.g., cables, depending on specific package)

4. Product Overview

The HS-1300 features a compact design with an intuitive control panel and comprehensive connectivity options.

4.1 Front Panel

The front panel provides access to all primary controls for video switching, audio mixing, streaming, and recording functions. It includes input selection buttons, transition controls, and a built-in monitor for multi-view display.



Image 4.1: Front view of the Datavideo HS-1300, showing the control surface with input selection, transition controls, and integrated display.

4.2 Rear Panel

The rear panel houses all input and output connectors for video, audio, network, and power. This includes multiple HDMI inputs, program outputs, audio inputs/outputs, and an Ethernet port for streaming.
Note: Specific rear panel image for HS-1300 is not available in the provided assets. Please refer to the product's official documentation for a detailed diagram of the rear panel connections.

5. Setup

5.1 Power Connection

1. Connect the provided power adapter to the DC input port on the HS-1300.
2. Plug the power adapter into a suitable electrical outlet.

5.2 Video Input Connections

The HS-1300 supports multiple HDMI inputs.

1. Connect your video sources (e.g., cameras, computers) to the HDMI input ports on the rear panel.

2. Ensure cables are securely connected.

5.3 Audio Input Connections

Connect external audio sources if required.

1. Use appropriate audio cables to connect microphones or audio mixers to the audio input ports.

5.4 Video Output Connections

Connect external monitors or recording devices to the output ports.

1. Connect a program output to your main display or recording device.
2. Connect a multi-view output to a separate monitor for monitoring all inputs simultaneously.

5.5 Network Connection

For streaming capabilities, connect the HS-1300 to your network.

1. Connect an Ethernet cable from the HS-1300's LAN port to your network router or switch.

6. Operating Instructions

6.1 Powering On/Off

- **To Power On:** Press the power button located on the unit. The display will illuminate.
- **To Power Off:** Press and hold the power button until the unit shuts down.

6.2 Basic Video Switching

1. Identify your video sources on the multi-view display.
2. Use the 'Program' row buttons to select the input you want to send to the main output.
3. Use the 'Preview' row buttons to select the next input you want to transition to.
4. Utilize the T-bar or 'AUTO'/'CUT' buttons for transitions between 'Preview' and 'Program'.

6.3 Streaming Setup and Initiation

1. Ensure the unit is connected to a network (refer to Section 5.5).
2. Access the streaming settings via the menu on the built-in display.
3. Configure your streaming parameters, including CDN URL and stream key.
4. Initiate streaming using the dedicated streaming control on the front panel.

6.4 Recording Setup and Initiation

1. Insert a compatible SD card into the designated slot.
2. Access the recording settings via the menu to configure recording quality and format.
3. Press the 'Record' button to start recording the program output. Press again to stop.

7. Maintenance

7.1 Cleaning

- Use a soft, dry cloth to clean the exterior of the unit.
- For stubborn dirt, slightly dampen the cloth with water. Do not use harsh chemicals or abrasive cleaners.
- Ensure the unit is powered off and unplugged before cleaning.

7.2 Firmware Updates

Periodically check the Datavideo website for available firmware updates. Follow the instructions provided with the update package carefully to ensure proper installation.

8. Troubleshooting

- **No Power:**
  Ensure the power adapter is securely connected to both the unit and a working power outlet. Check the power button.
- **No Video Output:**
  Verify that video sources are correctly connected and powered on. Check input selection on the HS-1300. Ensure output cables are connected to the monitor/recorder and the monitor is on the correct input.
- **No Audio Output:**
  Check audio input connections and levels. Ensure audio mixing settings are correct. Verify output audio cables and destination device settings.
- **Streaming Issues:**
  Confirm network connection is active. Double-check streaming URL and stream key settings. Ensure your CDN service is active and configured correctly.
- **Recording Failure:**
  Check if an SD card is inserted and has sufficient free space. Ensure the SD card is formatted correctly (refer to manual for supported formats).

9. Specifications

Feature	Detail
Model Number	HS-1300
Product Dimensions	13.98 x 17.91 x 5.28 inches
Item Weight	19 pounds
ASIN	B07GK1V58Q
Connector Type	HDMI
Compatible Devices	Monitor
Cable Type	VGA
Number of Ports	11
Manufacturer	Datavideo
Date First Available	August 16, 2018

10. Warranty and Support

10.1 Warranty Information

Datavideo products are covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Datavideo website for detailed warranty terms and conditions specific to your region.

10.2 Technical Support

For technical assistance, troubleshooting, or service inquiries, please contact Datavideo customer support. Contact information can typically be found on the Datavideo official website or in the product packaging.

- **Website:** www.datavideo.com
- **Email:** Refer to website for regional support contacts.
- **Phone:** Refer to website for regional support contacts.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question