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POMIACAM 1CH DVR

POMIACAM 1CH DVR Mini Digital Video Recorder User Manual

Model: 1CH DVR

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your POMIACAM 1CH DVR Mini Digital Video Recorder. This device is designed for real-time video recording from various sources such as FPV cameras, camcorders, DVD players, TV boxes, and CCTV cameras, saving the footage directly to an SD card. It supports D1 (704x576) resolution at 30 frames per second, utilizing MPEG-4 video compression for efficient storage.

2. SAFETY INFORMATION

- Ensure the power supply voltage is within the specified range (5-35V) to prevent damage.
- Do not expose the device to moisture, rain, or extreme temperatures.
- Avoid disassembling the device. Refer all servicing to qualified personnel.
- Keep the device away from strong magnetic fields.
- Use only compatible SD cards.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- POMIACAM 1CH DVR Mini Digital Video Recorder
- Remote Control
- Installation Guide (this manual)
- Power Adapter (if included, otherwise user must provide 5-35V DC)
- AV Cables (if included)

Note: An SD card is not included and must be purchased separately. The device supports up to 512GB SD cards.

4. PRODUCT OVERVIEW

The POMIACAM 1CH DVR is a compact and robust device designed for versatile video recording. Familiarize yourself with its components:

4.1 Front Panel



Image 4.1: Front view of the POMIACAM 1CH DVR. This image displays the device's front panel, highlighting the SD card slot, the infrared (IR) receiver for remote control, and three indicator lights (red, green, green) that show operational status.

- **SD Card Slot:** Insert your SD card here.
- **IR Receiver:** For receiving signals from the remote control.
- **Indicator Lights:** Provide visual feedback on power, recording status, and SD card activity.

4.2 Rear Panel



Image 4.2: Rear view of the POMIACAM 1CH DVR. This image shows the back panel of the device, featuring three main ports: AV IN (Audio/Video Input), AV OUT (Audio/Video Output), and PWR (Power input).

- **AV IN:** Connect your video source (e.g., camera, DVD player) here using RCA cables.
- **AV OUT:** Connect to a monitor or TV for live viewing or playback using RCA cables.
- **PWR:** Power input port. Connect the provided power adapter or a compatible 5-35V DC power source.

5. SETUP

Follow these steps to set up your POMIACAM 1CH DVR:

5.1 Inserting the SD Card

1. Ensure the DVR is powered off.
2. Locate the SD card slot on the front panel.
3. Insert a compatible SD card (up to 512GB, not included) into the slot with the metal contacts facing down until it clicks into place.
4. To remove, gently push the SD card until it springs out.

5.2 Connecting Video and Power

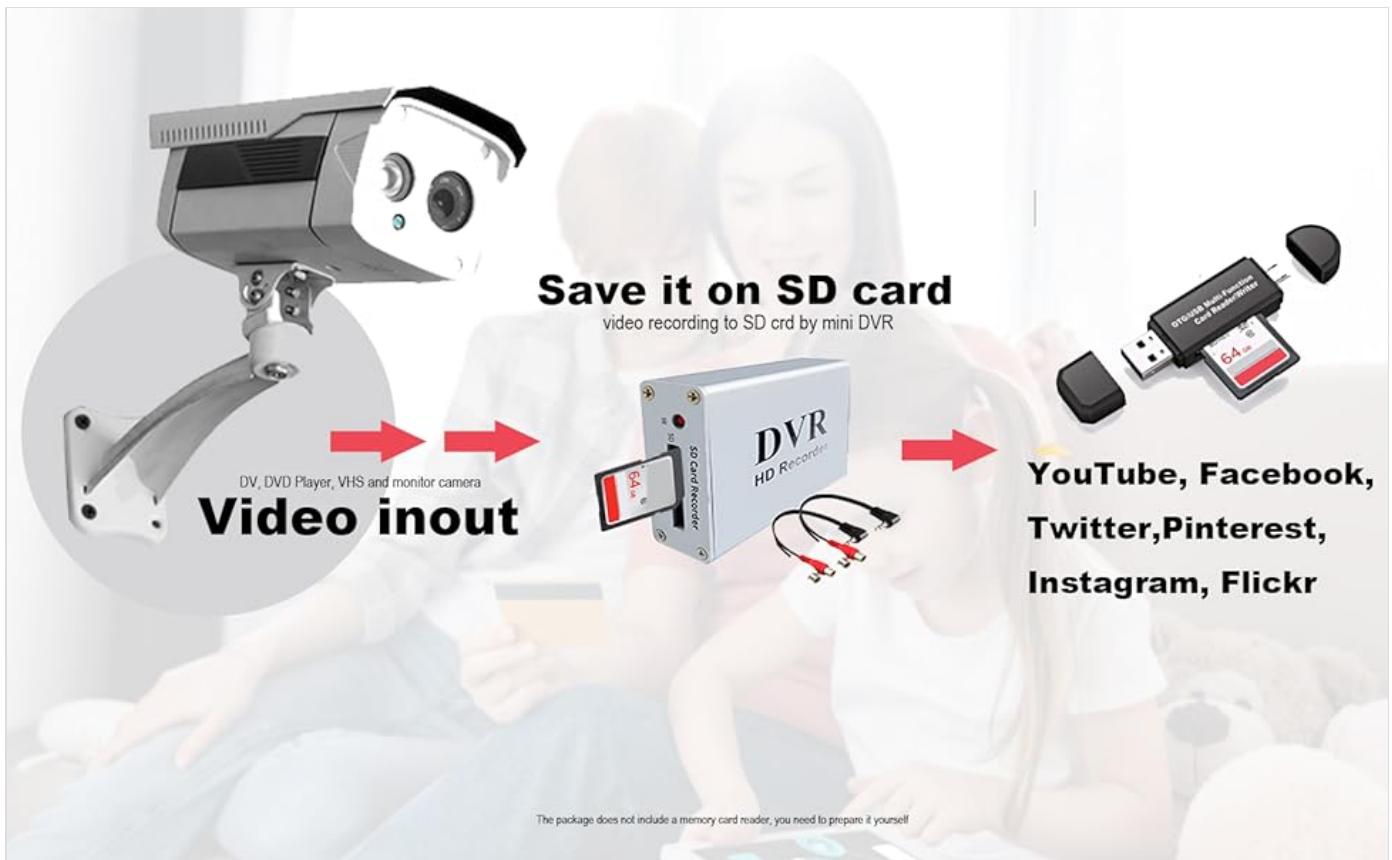


Image 5.2: Connection diagram for the POMIACAM 1CH DVR. This illustration demonstrates how to connect the power adapter to the PWR port, an AV source (e.g., camera) to the AV IN port, and a display device (e.g., TV/monitor) to the AV OUT port using RCA cables.

1. Connect your video source (e.g., FPV camera, CCTV camera, DVD player) to the **AV IN** port using an RCA cable.
2. Connect a monitor or TV to the **AV OUT** port using an RCA cable to view live footage or recorded playback.
3. Connect the power adapter to the **PWR** port on the DVR, then plug the adapter into a power outlet. The device will power on automatically.

6. OPERATING INSTRUCTIONS

The POMIACAM 1CH DVR is operated primarily using the included remote control.

6.1 Basic Functions

- **Power On/Off:** The device powers on automatically when connected to power. To power off, disconnect the power supply.
- **Live View:** Once powered on and connected to a video source and monitor, the live feed from the AV IN source will be displayed on the monitor.

6.2 Recording Video

1. Ensure an SD card is properly inserted.
2. Point the remote control at the DVR's IR receiver.
3. Press the **Record** button on the remote control to start recording. The recording indicator light will illuminate.
4. Press the **Record** button again to stop recording. The recording indicator light will turn off.
5. **Real-time Stamp:** Recorded videos will automatically include a real-time date and time stamp.
6. **Overwrite Function:** When the SD card is full, the DVR will automatically overwrite the oldest files to continue recording.

6.3 Playback

1. While in live view mode, press the **Playback** button on the remote control.
2. Use the navigation buttons on the remote to select the desired video file.
3. Press the **Play** button to start playback.
4. Use the remote control for functions such as pause, fast forward, and rewind.
5. To return to live view, press the **Live** or **Exit** button (refer to remote control layout).

6.4 Supported Formats

- **Video Compression:** MPEG-4
- **Video Format:** MPEG-4/ASF
- **Audio Format:** MP3
- **Resolution:** D1 (704x576)
- **Frame Rate:** 30fps
- **Video System:** CVBS NTSC/PAL (auto-switching)

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **SD Card Management:** Regularly back up important recordings from your SD card to a computer or other storage device. Periodically format the SD card within the DVR (if supported by remote functions) or on a computer to maintain optimal performance and prevent data corruption.
- **Storage:** When not in use for extended periods, store the DVR in a cool, dry place away from direct sunlight.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device not turning on.	Power adapter not connected or faulty; power outlet not working.	Check power connections. Try a different power outlet. Ensure the power adapter is functional and within the 5-35V range.
No video signal on monitor.	Incorrect AV OUT connection; monitor input not selected; video source not connected or faulty.	Verify AV OUT cable is securely connected to both DVR and monitor. Select the correct AV input on your monitor/TV. Ensure the video source is properly connected to AV IN and is functioning.
Cannot record.	SD card not inserted, full, or faulty; recording not initiated via remote.	Ensure SD card is correctly inserted and has sufficient free space. Try formatting the SD card. Use the remote control to start recording. Try a different SD card.
Remote control not working.	Batteries low/dead; IR receiver blocked; remote not pointed correctly.	Replace remote control batteries. Ensure no obstructions between remote and DVR's IR receiver. Point the remote directly at the IR receiver.

9. SPECIFICATIONS

Feature	Detail
Model	1CH DVR
Video Compression	MPEG-4
Video Format	MPEG-4/ASF
Audio Format	MP3
Video Resolution	D1 (704x576)
Frame Rate	30fps
Video System	CVBS NTSC/PAL (Auto-switching)
Storage	SD Card (up to 512GB, not included)
Power Supply	5-35V DC
Power Consumption	1W (standby), 2W (recording)
Operating System Compatibility	Windows 10 (for file playback on PC)
Dimensions	Approximately 5.39 x 4.37 x 2.91 inches (Package Dimensions)
Weight	Approximately 10.2 ounces

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official POMIACAM website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, please contact POMIACAM customer service.

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Related Documents - 1CH DVR



[DFS121 SD Card DVR User Manual](#)

Comprehensive user manual for the DFS121 SD Card DVR, detailing its features, panel layout, remote control functions, software operation, system and video settings, parameters, and troubleshooting.



[Orion Video Capture Device Instruction Manual](#)

Comprehensive guide to installing and using the Orion Video Capture Device (#52181) for Windows and Mac OS X, enabling analog video signal capture from various sources like CCTV cameras, DVDs, and camcorders.



[iDVR-RT16 User Manual: Real-Time Surveillance DVR Guide](#)

This user manual provides comprehensive instructions for the iDVR-RT16, a real-time stand-alone surveillance Digital Video Recorder (DVR). It guides users through installation, setup, operation, and maintenance of the device for effective security monitoring. Discover detailed information on device controls, connection procedures, live viewing, recording options, network configuration, and playback functionalities. The manual also includes essential safety precautions and system specifications.



[7" Recording Monitor DVR Operation Manual](#)

Comprehensive operation manual for the 7" Recording Monitor DVR, detailing product overview, recognition, button operations, touch screen functions, system settings, app integration, charging, firmware upgrades, and specifications.



[Dahua XVR5104HS-I2 User Manual: 4-Channel DVR Specifications & Guide](#)

Comprehensive user manual for the Dahua XVR5104HS-I2 4-channel digital video recorder. Covers technical specifications, features, safety guidelines, and setup information for AHD, HD-CVI, HD-TVI, CVBS, and IP surveillance systems.



[PowerPlay SE Quick Start Guide](#)

Quick start guide for the PowerPlay SE DVR, detailing specifications, accessory kit, user interface, warnings, and support information from Direct FPV.