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› Sony PXW-Z200 4K XDCAM Camcorder User Manual

Sony PXW-Z200

Sony PXW-Z200 4K XDCAM Camcorder User Manual

Model: PXW-Z200

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Sony PXW-Z200 4K XDCAM Camcorder. The PXW-Z200 is designed for professional video production, offering UHD 4K60 HDR capture, advanced autofocus, and versatile recording and streaming capabilities. Please read this manual thoroughly before operating the camcorder and retain it for future reference.



Figure 1: Sony PXW-Z200 4K XDCAM Camcorder, showing the lens, handle, and main body.

SETUP

1. Unpacking and Checking Contents

Carefully unpack all items and ensure the following components are present. If any item is missing or damaged, contact your dealer.

- Sony PXW-Z200 4K 1" CMOS Sensor XDCAM Camcorder
- AC Adapter
- Power Cord
- Battery Charger
- Battery Pack (BP-U35 or similar)
- LCD Hood
- Lens Hood

- Eyecup
- Microphone Holder
- Cold Shoe Kit

2. Attaching the Lens Hood

Align the lens hood with the front of the lens and twist gently until it locks into place. The lens hood helps to reduce flare and protect the lens.

3. Installing the Battery Pack

1. Ensure the camcorder is powered off.
2. Locate the battery compartment on the rear of the camcorder.
3. Slide the battery pack (e.g., BP-U35) into the compartment until it clicks securely into place.
4. To remove, press the battery release button and slide the battery out.



Figure 2: Left side view of the camcorder, showing the battery compartment area.

4. Inserting Memory Cards

The PXW-Z200 supports dual CFexpress Type-A/SD card slots.

1. Open the memory card slot cover.
2. Insert the CFexpress Type-A or SD card into the appropriate slot with the correct orientation until it clicks.
3. Close the memory card slot cover.
4. Format new memory cards in the camcorder before first use to ensure optimal performance. Refer to the "Operating" section for formatting instructions.

5. Connecting the AC Adapter

Connect the supplied AC adapter to the camcorder's DC IN jack and then to a wall outlet to power the camcorder or charge the battery while installed.

OPERATING THE CAMCORDER

1. Powering On/Off

To power on the camcorder, slide the POWER switch to the ON position. To power off, slide it to the OFF position.

2. Basic Recording

1. Ensure a formatted memory card is inserted.

2. Set the desired shooting mode (e.g., Automatic, Manual) using the mode dial or menu settings.
3. Frame your shot using the viewfinder or the flip-out LCD monitor.
4. Press the **REC START/STOP** button to begin recording. The recording indicator will illuminate.
5. Press the **REC START/STOP** button again to stop recording.



Figure 3: The PXW-Z200 camcorder being used to record an event, demonstrating its operational context.

3. Focus Control

The PXW-Z200 offers both automatic and manual focus options.

- **Auto Focus:** The camcorder features AI-powered autofocus. Ensure the AUTO/MANUAL switch for focus is set to AUTO.
- **Manual Focus:** To manually adjust focus, set the AUTO/MANUAL switch to MANUAL and rotate the focus ring on the lens.



Figure 4: Detail of the camcorder's control panel, showing the AUTO/MANUAL switch for focus and other settings.

4. Zoom Operation

Use the zoom rocker on the handle or the zoom ring on the lens to adjust the focal length. The camcorder features a 20x optical zoom and a 30x Clear Image Zoom in 4K.

5. Recording Formats and Settings

The PXW-Z200 supports various recording formats including XAVC S-I, HS-L, S-L, and HD/QFHD. Access the menu system to select your desired format, frame rate (up to 4K120 and 1080p240), and color profiles (S-Cinetone, ITU709, 709tone, HLG).

6. Audio Input and Monitoring

The camcorder features 4-channel audio input. Connect external microphones via the XLR inputs. Monitor audio levels on the LCD screen and through headphones connected to the headphone jack.

7. Connectivity and Streaming

The PXW-Z200 offers multiple connectivity options:

- **12G-SDI Output:** For high-quality video output to professional monitors or switchers.
- **HDMI Output:** For connecting to consumer displays or recorders.
- **Wi-Fi/Ethernet:** Utilize the integrated 2.4/5 GHz Wi-Fi or Ethernet port for live streaming via RTMP/RTMPS, SRT, and FTP.
- **Sony Monitor & Control App:** Use the dedicated app for remote monitoring and control of the camcorder via a compatible smartphone or tablet.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your camcorder.

- **Lens Cleaning:** Use a soft, lint-free cloth and a specialized lens cleaning solution to gently clean the lens surface. Avoid touching the lens with bare fingers.
- **Body Cleaning:** Wipe the camcorder body with a dry, soft cloth. For stubborn dirt, slightly dampen the cloth with water. Do not use strong detergents or solvents.
- **Sensor Cleaning:** Sensor cleaning should ideally be performed by authorized service personnel. Avoid attempting to clean the sensor yourself unless you are experienced.
- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging or overcharging batteries frequently to prolong their lifespan.
- **Storage:** When not in use, store the camcorder in a dry, dust-free environment, preferably in a padded case to protect it from impacts.

TROUBLESHOOTING

If you encounter issues with your PXW-Z200, refer to the following common troubleshooting steps:

| Problem | Possible Cause / Solution |
|-------------------------------------|--|
| Camcorder does not power on. | <ul style="list-style-type: none">• Ensure the battery is fully charged and correctly installed.• Verify the AC adapter is securely connected to both the camcorder and a working power outlet.• Check the POWER switch is in the ON position. |

| Problem | Possible Cause / Solution |
|-------------------------------|--|
| Cannot record video. | <ul style="list-style-type: none"> • Check if a memory card is inserted and properly formatted. • Ensure there is sufficient free space on the memory card. • Verify the camcorder is not in playback mode. |
| Image is out of focus. | <ul style="list-style-type: none"> • Check if the focus AUTO/MANUAL switch is set correctly for your desired operation. • In manual focus, adjust the focus ring. • Ensure there is sufficient light for the autofocus system to operate effectively. |
| No audio recording. | <ul style="list-style-type: none"> • Verify external microphones are properly connected and powered (if required). • Check audio input settings in the camcorder menu. • Ensure audio levels are not set to zero or muted. |

For more detailed troubleshooting or persistent issues, please refer to the official Sony support website or contact Sony customer service.

SPECIFICATIONS

Key technical specifications for the Sony PXW-Z200 Camcorder:

| Feature | Detail |
|---------------------------------|---|
| Brand | Sony |
| Model Name | PXW-Z200 |
| Photo Sensor Technology | CMOS |
| Video Capture Resolution | 4K, 720p, 480p |
| Maximum Focal Length | 154.21 Millimeters |
| Maximum Aperture | 1.8 f |
| Video Capture Format | XAVC S-I |
| Supported Audio Format | Dolby Digital/AC-3 |
| Connectivity Technology | HDMI |
| Optical Zoom | 20 x |
| Sensor Type | CMOS |
| Water Resistance Level | Not Water Resistant |
| Image Stabilization | No |
| Item Weight | 4.32 Pounds |
| Lens Type | Wide Angle, Zoom |
| Focus Type | Auto Focus |
| Shooting Modes | Automatic, Landscape, Low Light, Manual, Night, Portrait, Slow Motion, Sports |

| Feature | Detail |
|----------------------------|--|
| Image Aspect Ratio | 16:9 |
| File Format | XAVC S-I, HS-L, S-L, HD/QFHD |
| Effective Video Resolution | 3840 Pixels |
| Compatible Devices | Smartphone, Laptop, Personal Computer, Tablet, Devices with SDI input, Devices with HDMI input |
| Camcorder Type | Video Camera |
| Display Resolution Maximum | 4K UHD |
| Zoom | Optical, Digital |

WARRANTY AND SUPPORT

The Sony PXW-Z200 Camcorder is manufactured by Sony. For detailed warranty information, product registration, software updates, and technical support, please visit the official Sony support website. Keep your purchase receipt as proof of purchase for warranty claims.

Official Sony Support Website: <https://www.sony.com/electronics/support>

For video tutorials and additional resources, please check the official Sony Professional YouTube channel or their product pages.