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Canon XA65

Canon XA65 Pro Camcorder User Manual

Model: XA65 (5732C002)

INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your Canon XA65 Pro Camcorder. Please read this manual thoroughly before using the camcorder and retain it for future reference. The Canon XA65 is designed for professional video capture, offering 4K UHD recording, advanced optical zoom, and versatile connectivity options.



Figure 1: Canon XA65 Pro Camcorder Overview

WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- XA65 Body
- Lens Cap
- Lens Hood with Lens Barrier

- Microphone Holder Unit
- Handle Unit
- BP-820 Battery Pack
- PD-E1 USB Power Adapter

What's In The Box?



A XA65

B Handle Unit

C PD-E1 USB Power Adapter

D BP-820 Battery Pack

E Lens Hood with Lens Barrier

F Mic Holder

Figure 2: Package Contents

1. Attaching the Handle Unit

Align the handle unit with the mounting shoe on top of the camcorder body and slide it forward until it clicks into place. Secure it with the locking screw. The handle unit provides additional controls and XLR audio inputs.

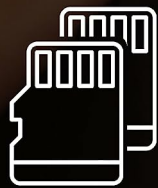
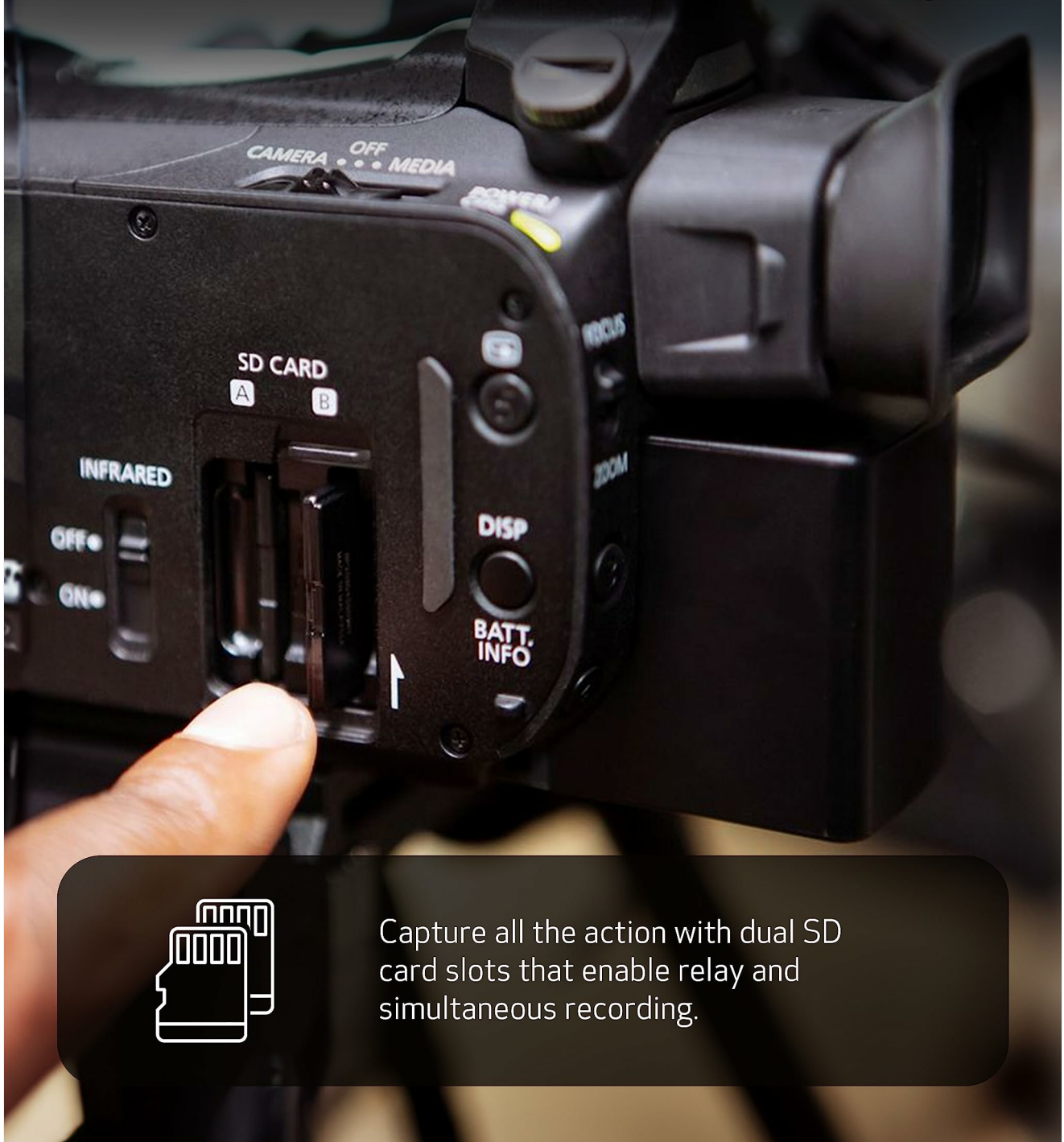
2. Installing the Battery Pack

1. Ensure the camcorder is powered off.
2. Open the battery compartment cover.
3. Insert the BP-820 battery pack into the compartment, ensuring the contacts align. Push until it locks.
4. Close the battery compartment cover.

3. Inserting SD Cards

The XA65 features dual SD card slots for flexible recording. Open the SD card slot cover on the side of the camcorder. Insert SD cards into slots A and B until they click. Close the cover. For optimal performance, use high-speed SD cards (UHS-I or faster) for 4K recording.

Simultaneous Recording



Capture all the action with dual SD card slots that enable relay and simultaneous recording.

Figure 3: Inserting SD Cards

4. Attaching the Lens Hood and Microphone Holder

Attach the lens hood to the front of the lens by aligning the marks and twisting until it locks. This helps prevent glare. The microphone holder can be attached to the handle unit if an external microphone is used.

OPERATING THE CAMCORDER

Power On/Off

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

Recording Video

The XA65 supports 4K UHD and Full HD recording in XF-AVC and MP4 formats. Select your desired recording format and resolution via the menu system. Press the REC button to start and stop recording.



Figure 4: Recording in 4K UHD

Zoom Operation

Utilize the 20x optical zoom lens for clear magnification. The camcorder also features an 800x digital zoom for

extended reach. Control zoom using the zoom rocker on the handle or the lens ring.

Amazing Zoom Capability



The XA65 has a 20x optical zoom lens starting at 29.3mm (35mm equivalent), perfect for diverse applications.

Figure 5: 20x Optical Zoom Capability

Image Stabilization

The Canon XA65 incorporates Dynamic IS 5-axis image stabilization to minimize camera shake, ensuring steady and clear footage even in dynamic shooting conditions. This feature is particularly useful when shooting handheld or at maximum zoom.

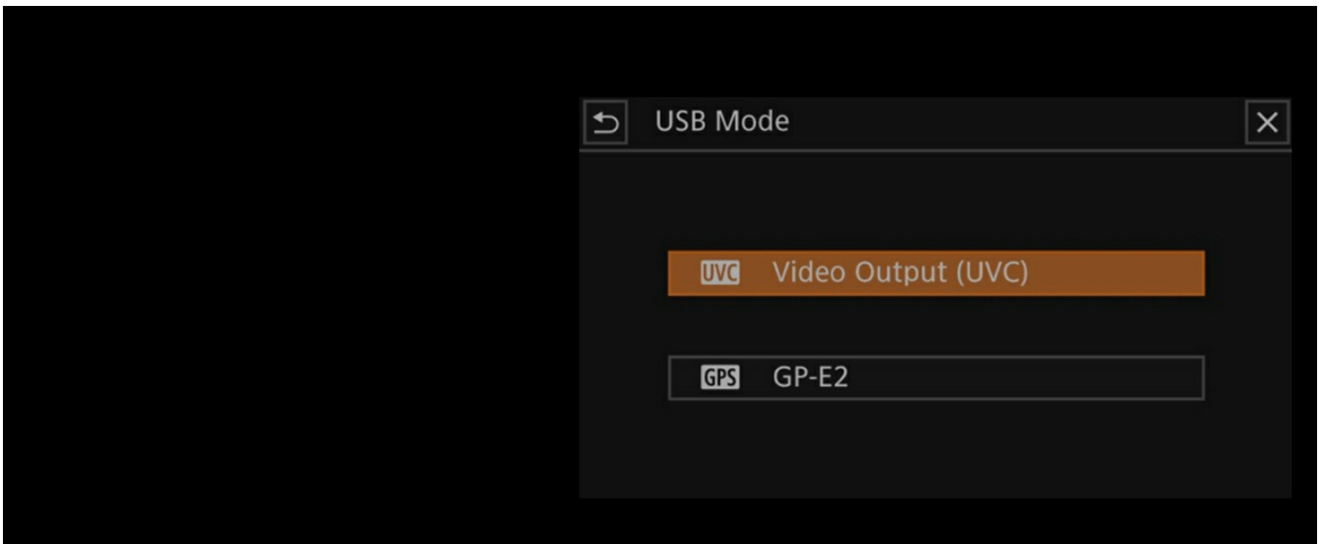


Figure 6: 5-Axis Image Stabilization

Audio Recording

Professional audio control is available through two XLR terminals on the detachable handle. The camcorder supports 4-channel linear PCM audio, providing high-quality sound capture. Adjust audio levels using the dedicated controls.

Display and Viewfinder

Frame and monitor your shots using the 3.5" touchscreen LCD or the tiltable OLED EVF (Electronic Viewfinder). The touchscreen allows for intuitive menu navigation and focus adjustments.

		XA65	XA60	XA45	XA40	XA15
Professional use terminals	SDI terminal	YES (3G-SDI)	NO	YES (3G-SDI)	NO	YES (HD-SDI)
	GENLOCK, TC	NO				
	XLR terminal (INPUT 1, INPUT 2)	YES				
Other terminals		HDMI, separate headphones, USB (USB Type-C), DC IN (USB Type-C), remote and MIC terminal (supports plug-in power)		HDMI, separate headphones, USB, remote A (LANC compatible) and MIC terminal (supports plug-in power)		HDMI, AV, separate headphones, USB, remote and Microphone terminals
Accessory shoe		Handle unit: Cold shoe				
Detachable handle		YES (XLR terminal, built-in infrared light, mic holder, cold shoe, zoom lever, trigger, tally lamp)				
Wi-Fi		NO				
GPS		NO (Accessories supported)				
Lens hood with barrier		YES				
Dimensions		Approx. 4.3 x 3.3 x 7.2 in. / 109 x 84 x 182mm		Approx. 4.3 x 3.3 x 7.2 in. / 109 x 84 x 182mm		Approx. 4.3 x 3.3 x 7.2 in. / 109 x 84 x 182mm
Body weight	Body only	Approx. 1.65 lbs. / 750 g	Approx. 1.63 lbs. / 740 g	Approx. 1.6 lbs. / 740 g	Approx. 1.6 lbs. / 730 g	Approx. 1.7 lbs. / 750 g
	Lens hood, mic holder unit, handle unit, BP-820 and memory card (1 pc) included	Approx. 2.51 lbs. / 1140 g	Approx. 2.50 lbs. / 1135 g	Approx. 2.5 lbs. / 1130 g	Approx. 2.5 lbs. / 1120 g	Approx. 2.5 lbs. / 1140g

Figure 7: Touchscreen LCD Display

Connectivity and Live Streaming

The XA65 offers mini-HDMI and 3G-SDI outputs for connecting to external monitors or professional broadcasting equipment. For live streaming, connect the camcorder to a PC or Mac via the USB Type-C output, which supports UVC (USB Video Class).



Versatile Connectivity

Effortlessly share videos with mini-HDMI and 3G-SDI outputs, integrating seamlessly with external devices for larger screens and professional setups.

Figure 8: USB Type-C Connectivity

		XA65	XA60	XA45	XA40	XA15
Sensor		1/2.3-inch 4K UHD CMOS sensor				1/2.84-inch HD CMOS PRO sensor
Lens	Zooming ratio, focal length (35 mm camera equivalent)	20x optical zoom, approx. 29.3 - 601mm 4K UHD (Dynamic IS off/Standard IS on) / approx. 30.5 - 627mm Full HD (Dynamic IS off/Standard IS on)				20x optical zoom, 28.8 (IS off) / 28.8 (IS on) - 576mm
	Aperture	8 blades				
	Image Stabilizer	Optical + electronic correction				
Infrared camera supported		YES				
Monitor		3.5-inch (approx. 2.76 million dots), LCD, Capacitive touch panel		3.0-inch (approx. 0.46 million dots), LCD, Capacitive touch panel		
EVF		0.36-inch (approx. 1.77 million dots), OLED, tiltable		0.24-inch (approx. 1.56 million dots), tiltable		
Looks		Standard				Standard, Wide DR, Highlight Priority
Movie recording	MXF	YES (XF-AVC)				NO
	AVCHD	NO				YES
	MP4	YES				
	LPCM 4ch audio	YES (not available during 720 recording)				NO
	Simultaneous Recording	Double recording				Double recording, AVCHD+MP4 simultaneous recording
	OSD Recording	YES				NO
	Slow and Fast (S&F) Motion Recording	YES				YES (MP4)
	Cinema-look filters	NO				7 filters (Nostalgic and Dynamic B/W not provided)
Recording Media		NO				
Memory card		SD card (2 slots)				

Figure 9: UVC Support for Live Streaming

Time Stamp Recording

Utilize the On-Screen Display (OSD) Time Stamp recording feature to embed data such as date, time, and timecode directly into your video footage. This is particularly useful for documentation purposes.

4K 20X OPTICAL ZOOM LENS



1x



10x



20x

Figure 10: OSD Time Stamp Recording

Slow and Fast Motion Recording

The camcorder supports both slow and fast motion recording modes, allowing for creative effects and capturing events in a unique way. Adjust the frame rate settings in the menu to achieve desired playback speeds.



Figure 11: Slow and Fast Motion Recording Examples

MAINTENANCE

Cleaning the Camcorder

- Use a soft, dry cloth to clean the camcorder body.
- For the lens, use a lens brush or blower to remove dust, then gently wipe with a lens cleaning cloth and lens cleaning solution if necessary.
- Avoid using strong solvents or abrasive cleaners.

Storage

When not in use, store the camcorder in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery pack if storing for an extended period.

TROUBLESHOOTING

If you encounter issues with your Canon XA65, refer to the following common solutions:

- **Camcorder does not power on:** Ensure the battery is fully charged and correctly inserted, or connect the power adapter.
- **No image on screen/viewfinder:** Check if the lens cap is removed. Adjust brightness settings.
- **Recording issues:** Verify that an SD card is inserted and has sufficient free space. Check recording format settings.
- **Unstable footage:** Ensure Image Stabilization is enabled in the menu.
- **Audio problems:** Check microphone connections and audio input levels.

For more complex issues, consult the full Canon XA65 service manual or contact Canon customer support.

SPECIFICATIONS

Below are the key technical specifications for the Canon XA65 Pro Camcorder:

Feature	Specification
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Feature	Specification
Product Dimensions	7.17 x 3.94 x 3.31 inches
Item Weight	3 ounces
ASIN	B0BCMNSC6W
Item Model Number	5732C002
Batteries	1 Lithium Ion battery required
Manufacturer	Canon USA
Photo Sensor Technology	CMOS
Video Capture Resolution	4K
Maximum Focal Length	627 mm
Maximum Aperture	f/2.8
Flash Memory Type	SD
Video Capture Format	MP4
Supported Audio Format	WAV, Linear PCM
Screen Size	3.5 inches
Connectivity Technology	HDMI, USB

For a detailed comparison with other models, refer to the specification tables provided by Canon:



Figure 12: Detailed Specifications Table (Part 1)

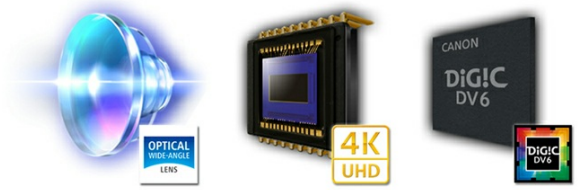


Figure 13: Detailed Specifications Table (Part 2)

WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your camcorder or visit the official Canon website. For technical support, service, or additional inquiries, please contact Canon customer service through their official channels.

You can find more information and support resources on the [Canon Store on Amazon](#).