

## Panasonic AW-HE120KPJ

# Panasonic AW-HE120KPJ Integrated Video Camera User Manual

Model: AW-HE120KPJ

## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the Panasonic AW-HE120KPJ Integrated Video Camera. The AW-HE120KPJ is designed for high-quality video capture, featuring a 20x optical zoom lens and three 2.2 megapixel U.L.T. MOS imagers, supporting Full HD video output. Please read this manual thoroughly before operating the camera and retain it for future reference.

## 2. PACKAGE CONTENTS

Carefully unpack the camera and verify that all items listed below are present. If any items are missing or damaged, contact your dealer immediately.

- Camera Body
- Battery
- USB Cable
- User Manual (this document)
- AC Adapter



Figure 2.1: The Panasonic AW-HE120KPJ camera packaging box.



Figure 2.2: View of the camera and accessories as packaged inside the box.



Figure 2.3: All components included with the Panasonic AW-HE120KPJ, unpacked and laid out.

## 3. SETUP

### 3.1 Unpacking and Initial Inspection

1. Carefully remove the camera and all accessories from the packaging.
2. Inspect all components for any signs of damage during transit.
3. Confirm all items listed in Section 2 are present.

## 3.2 Power Connection

1. Connect the supplied AC adapter to the 12V IN port on the rear of the camera.
2. Plug the AC adapter into a suitable power outlet.
3. Ensure the power indicator light on the camera illuminates, indicating power supply.

## 3.3 Video Output Connection

The AW-HE120KPJ offers multiple video output options. Select the appropriate connection for your setup.

- **HD/SD SDI OUT:** For professional broadcast and production environments, connect an SDI cable to this port.
- **VIDEO OUT:** For composite video output, connect a BNC cable to this port.
- **HDMI:** For high-definition digital video and audio output, connect an HDMI cable to this port.



Figure 3.1: Rear panel connections including RS-422, LAN, HDMI, VIDEO OUT, HD/SD SDI OUT, HD/SD ANALOG OUT, and 12V IN.

## 3.4 Network Connection (LAN)

For IP control and streaming capabilities, connect an Ethernet cable to the LAN port on the rear of the camera. Refer to the network setup guide for detailed configuration instructions.

# 4. OPERATING INSTRUCTIONS

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## 4.1 Powering On/Off

1. **To Power On:** Ensure the AC adapter is connected. The camera will power on automatically or via a connected controller.
2. **To Power Off:** Use the power switch on the camera or the connected controller to safely shut down the unit.

## 4.2 Pan, Tilt, and Zoom Control

The AW-HE120KPJ features motorized pan, tilt, and 20x optical zoom functions. These can be controlled via a compatible remote controller connected through the RS-422 or LAN port.

- **Pan:** The camera can pan horizontally up to  $\pm 175$  degrees.
- **Tilt:** The camera can tilt vertically within its specified range.
- **Zoom:** Use the zoom controls on your remote to adjust the 20x optical zoom lens.

## 4.3 Image Settings

Adjust various image settings such as white balance, exposure, and focus using the connected remote controller or software interface to optimize video quality for your specific environment.

# 5. MAINTENANCE

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## 5.1 Cleaning the Camera Body

Wipe the camera body with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water and a mild detergent, then wipe dry immediately. Do not use strong solvents or abrasive cleaners.

## 5.2 Cleaning the Lens

Use a lens brush or a blower to remove dust from the lens surface. For smudges, use a specialized lens cleaning solution and a microfiber cloth, wiping gently in a circular motion.

## 5.3 Storage

When not in use for extended periods, store the camera in a cool, dry place, away from direct sunlight and excessive humidity. Use the original packaging or a protective case to prevent dust accumulation and physical damage.

# 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Panasonic AW-HE120KPJ camera. If the problem persists after following these steps, please contact customer support.

## 6.1 No Power

- **Check Power Connection:** Ensure the AC adapter is securely connected to both the camera and a working power outlet.
- **Verify Outlet:** Test the power outlet with another device to confirm it is functional.
- **Inspect AC Adapter:** Check the AC adapter and cable for any visible damage.

## 6.2 No Video Output

- **Check Video Cables:** Ensure all video output cables (SDI, HDMI, Composite) are securely connected to both the camera and the display/recorder.
- **Input Selection:** Verify that your display or recorder is set to the correct input source.
- **Camera Settings:** Confirm that the camera's output settings match the capabilities of your receiving device.

## 6.3 Remote Control Not Responding

- **Check Cable Connections:** Ensure the RS-422 or LAN cable is properly connected between the camera and the controller.
- **IP Address:** If using LAN control, verify the camera's IP address and network settings are correctly configured and match the controller's settings.
- **Controller Power:** Ensure the remote controller itself is powered on and functioning.

# 7. SPECIFICATIONS

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Below are the technical specifications for the Panasonic AW-HE120KPJ Integrated Video Camera.

Feature	Specification
Product Dimensions	8.7 x 7.1 x 9 inches
Item Weight	6.6 pounds
Item Model Number	AW-HE120KPJ

Feature	Specification
Photo Sensor Technology	MOS
Video Capture Resolution	1080p
Maximum Aperture	1.8 f
Flash Memory Type	SD, SDHC
Video Capture Format	AVCHD, MP4, MOV
Supported Audio Format	AAC, MP3, PCM
Screen Size	3 inches (referring to external monitor compatibility)
Connectivity Technology	USB, LAN, RS-422, HDMI, SDI
Pan Range	±175 Degrees
Zoom Lens	Motorized 20x optical zoom

## 8. WARRANTY AND SUPPORT

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### 8.1 Product Warranty

Panasonic products are manufactured to high quality standards and are covered by a limited warranty. For specific warranty terms and conditions applicable to your AW-HE120KPJ camera, please refer to the warranty card included in your package or visit the official Panasonic website for your region. Keep your proof of purchase for warranty claims.

### 8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Panasonic customer support. You can find contact information, FAQs, and additional resources on the official Panasonic website:

[Visit Panasonic Support Website](#)