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› Sony DCR-HC35 0.21x High Grade Fish-Eye Lens (180° Diagonal Angle of View) + Stepping Ring (25mm-37mm) + Nwv Direct Micro Fiber Cleaning Cloth User Manual

Digital Nc 0.21XDCRHC35

Instruction Manual: Sony DCR-HC35 0.21x High Grade Fish-Eye Lens

Brand: Digital Nc

INTRODUCTION

This manual provides comprehensive instructions for the proper use and care of your Digital Nc 0.21x High Grade Fish-Eye Lens, designed for the Sony DCR-HC35 camcorder. This lens expands your camera's field of view, allowing for unique wide-angle and distorted perspectives, ideal for capturing expansive landscapes or creative shots.

The package includes the 0.21x (Fisheye) High Definition Digital Lens, a Lens Cap, a Lens Bottom Cover, a Pouch, a Stepping Ring (25mm-37mm), and an Nwv Direct Micro Fiber Cleaning Cloth.

SETUP GUIDE

Follow these steps to properly attach the fisheye lens to your camcorder:

1. **Identify Camera Thread Size:** Determine the filter thread size of your Sony DCR-HC35 camcorder. This lens is designed to fit 37mm threads directly.
2. **Use Stepping Ring (if necessary):** If your camcorder has a 25mm filter thread, first screw the provided 25mm-37mm stepping ring onto your camcorder's lens thread. Ensure it is securely fastened but do not overtighten.
3. **Attach Fisheye Lens:** Carefully align the 0.21x fisheye lens with the 37mm thread on your camcorder (or the stepping ring). Gently rotate the lens clockwise until it is securely attached. Avoid cross-threading.
4. **Remove Lens Caps:** Before use, remove the front and rear lens caps. Store them in the provided pouch to prevent loss or damage.



Image: The 0.21x fisheye lens shown with its protective front and rear caps. The lens is black with 'HIGH DEFINITION 0.21X FISHEYE LENS' printed on its side.

OPERATING INSTRUCTIONS

The 0.21x fisheye lens provides an ultra-wide 180° diagonal angle of view, creating a distinct visual effect characterized by strong optical distortion and a panoramic, hemispherical image. This effect is often used for artistic purposes or to capture a very wide scene in a single shot.

- **Field of View:** Once attached, the lens dramatically expands your camera's field of view, allowing you to capture significantly more of the scene than with a standard lens.
- **Distortion:** Expect a noticeable barrel distortion, where straight lines appear curved, especially towards the edges of the frame. This is a characteristic feature of fisheye lenses.
- **Focus:** The lens is designed to work with your camcorder's existing autofocus system. Ensure your camcorder is set to an appropriate focus mode for the scene you are capturing.
- **Lighting:** Due to the wide angle, the lens captures a large amount of light. Be mindful of strong light sources within the frame, which can cause flare.

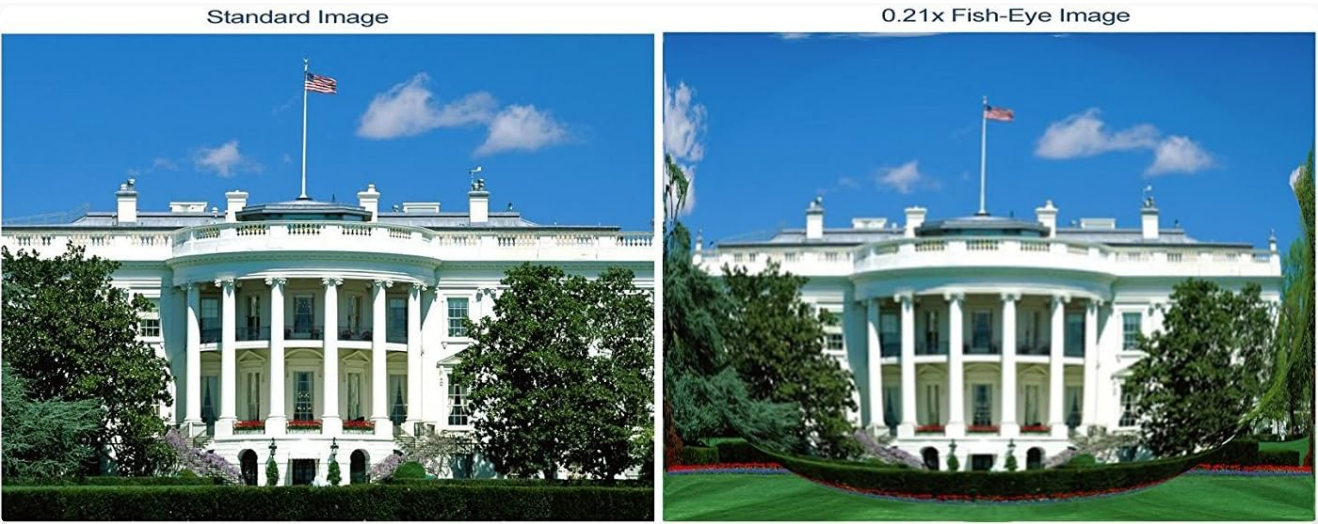


Image: A side-by-side comparison showing the effect of the 0.21x fisheye lens. The left image is a standard view of the White House, while the right image shows the same scene with the characteristic wide-angle and barrel distortion produced by the fisheye lens, making the ground appear curved.

MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your fisheye lens.

- **Cleaning:** Use the provided Nwv Direct Micro Fiber Cleaning Cloth to gently wipe dust and smudges from the lens surfaces. For stubborn marks, use a specialized lens cleaning solution applied to the cloth, not directly to the lens.
- **Storage:** Always store the lens with both the front and rear caps attached when not in use. Keep it in the provided pouch to protect it from dust, moisture, and physical damage.
- **Handling:** Avoid touching the glass elements directly with your fingers, as oils can leave smudges. Handle the lens by its metal casing.
- **Environment:** Do not expose the lens to extreme temperatures, high humidity, or corrosive chemicals.

TROUBLESHOOTING

If you encounter issues with your fisheye lens, consider the following common solutions:

- **Vignetting (Dark Corners):** This can occur if the lens is not fully screwed on, or if the camcorder's internal lens is zoomed in too far. Ensure the fisheye lens is securely attached and try zooming out slightly with your camcorder.
- **Blurry Images:** Check if the lens surfaces are clean. Ensure your camcorder's autofocus is functioning correctly and that you are within the lens's optimal focus range.
- **Lens Not Attaching Securely:** Verify that you are using the correct stepping ring (25mm-37mm) if your camcorder's thread size is 25mm. Ensure threads are clean and free of debris.

PRODUCT SPECIFICATIONS

Feature	Description
Model Number	0.21XDCRHC35
Lens Type	Fisheye

Feature	Description
Magnification	0.21x
Angle of View	180° Diagonal
Optical Design	Multi-Coated Optical Glass, Optical Infrared Glass
Construction	Metal Casing
Dimensions	0.9" (2.3cm)
Weight	0.5 lbs (0.226 kg)
Compatible Mountings	Sony E (via 37mm thread, or 25mm with stepping ring)
Maximum Focal Length	25 Millimeters

WARRANTY AND SUPPORT

For information regarding warranty, returns, or technical support, please visit the official Digital Nc Store or contact their customer service directly.

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