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K&F CONCEPT ND/PL Filter Kit for DJI Osmo Action 4

K&F Concept ND/PL Filter Kit User Manual for DJI Osmo Action 4

Model: ND/PL Filter Kit for DJI Osmo Action 4
Brand: K&F CONCEPT

Introduction

This manual provides instructions for the K&F Concept 4 Pack ND/PL Filter Kit, designed specifically for the DJI Osmo Action 4 camera. This kit includes ND8/PL, ND16/PL, ND32/PL, and ND64/PL filters, which combine neutral density and polarizing functions to enhance your photography and videography in various lighting conditions.

Package Contents

- 1x ND8/PL Filter
- 1x ND16/PL Filter
- 1x ND32/PL Filter
- 1x ND64/PL Filter
- 1x Protective Filter Case



Image: The K&F Concept 4-pack ND/PL filter kit, showing the four individual filters.

Setup and Installation

1. **Prepare Camera:** Ensure your DJI Osmo Action 4 camera is powered off before installation.
2. **Remove Original Lens Cover:** Carefully twist and remove the original protective lens cover from your DJI Osmo Action 4 camera.
3. **Select Filter:** Choose the appropriate ND/PL filter (ND8/PL, ND16/PL, ND32/PL, or ND64/PL) based on your lighting conditions.
4. **Attach Filter:** Align the selected K&F Concept ND/PL filter with the camera lens mount. Gently twist the filter clockwise until it is securely attached. Do not overtighten.
5. **Adjust Polarization:** Once attached, you can rotate the outer ring of the filter to adjust the polarization effect. Observe the live view on your camera screen to achieve the desired reduction in reflections and enhancement of contrast.

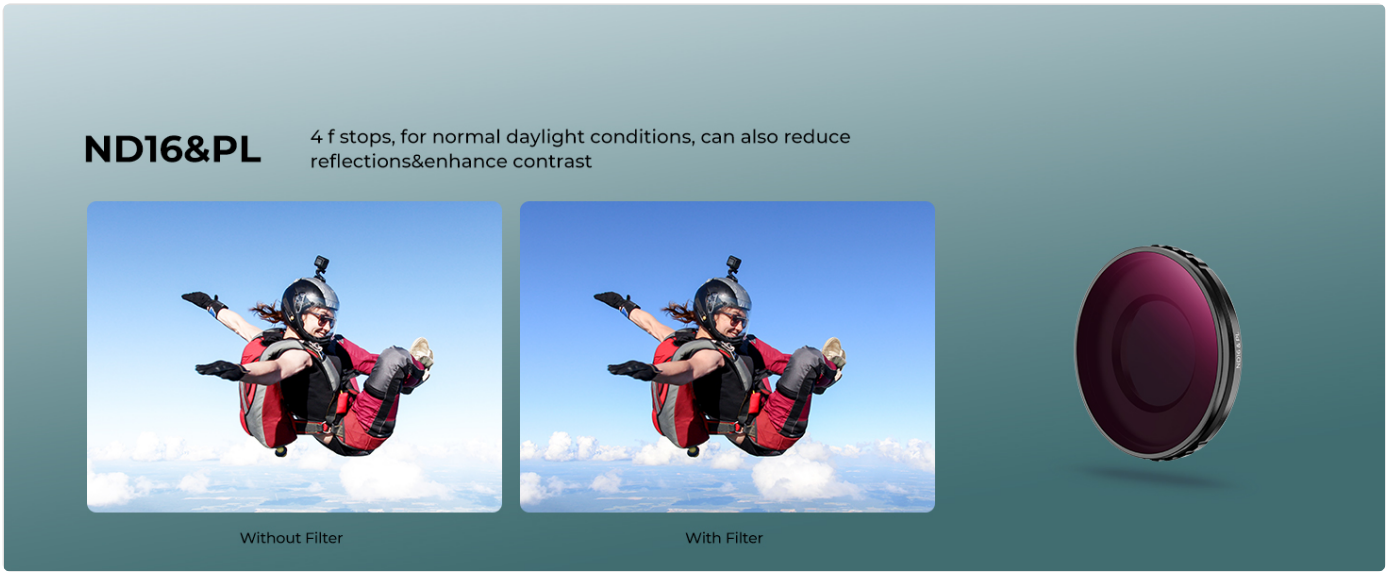


Image: A DJI Osmo Action 4 camera with an ND/PL filter securely attached to its lens, demonstrating proper installation.

Operating the Filters

K&F Concept ND/PL filters combine two essential filter types into one: Neutral Density (ND) and Polarizing (PL). This allows for precise control over light exposure and reduction of glare.

Understanding ND/PL Filters

- **Neutral Density (ND) Function:** Reduces the amount of light entering the camera sensor, allowing for slower shutter speeds or wider apertures in bright conditions. This helps to achieve motion blur effects in water or clouds, and prevents overexposure.
- **Polarizing (PL) Function:** Reduces reflections from non-metallic surfaces such as water, glass, and foliage. It also enhances color saturation and contrast, particularly in blue skies and white clouds. The polarizing effect is adjusted by rotating the filter's outer ring.

Filter Selection Guide

Filter Type	Light Reduction (f-stops)	Recommended Use
ND8/PL	3 f-stops	Partially cloudy daylight conditions, reducing reflections and enhancing contrast.
ND16/PL	4 f-stops	Normal daylight conditions, reducing reflections and enhancing contrast.
ND32/PL	5 f-stops	Bright sunny daylight conditions, reducing reflections and enhancing contrast.
ND64/PL	6 f-stops	Very bright sunny daylight conditions, such as snow fields or deserts, reducing reflections and enhancing contrast.

Visual Examples of Filter Effects

Image: Comparison of a surfing scene with and without an ND8/PL filter, showing reduced reflections and improved clarity.



Image: Comparison of a skydiving scene with and without an ND16/PL filter, demonstrating enhanced sky color and reduced glare.

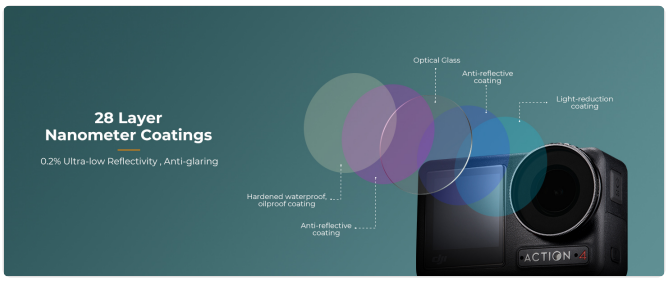


Image: Comparison of a snowboarding scene with and without an ND32/PL filter, showing improved exposure and contrast in bright snow.



Image: Comparison of a skiing scene with and without an ND64/PL filter, illustrating effective light reduction in very bright conditions.

Maintenance and Care

Proper care ensures the longevity and performance of your K&F Concept filters.

- **Cleaning:** Use a soft, clean microfiber cloth specifically designed for optical lenses to gently wipe away dust and smudges. For stubborn marks, a small amount of lens cleaning solution can be applied to the cloth (not directly to the filter).
- **Storage:** Always store filters in the provided protective case when not in use to prevent scratches and dust accumulation.
- **Handling:** Avoid touching the glass surface of the filters directly with your fingers to prevent oil and smudges. Handle filters by their metal frames.
- **Protection:** The filters feature 28 multi-layer nano-coatings, providing water-repellent, oil-proof, and scratch-resistant properties. However, extreme conditions or harsh cleaning agents should be avoided.



Image: Water droplets beading on the surface of a K&F Concept filter, illustrating its water-repellent coating.

Troubleshooting

- **Vignetting (Dark Corners):** If dark corners appear in your footage, especially when using ultra-wide camera settings without stabilization, this may be due to the filter frame being visible. Try switching to a wider lens setting or enabling in-camera stabilization (like RockSteady) which often crops the image slightly, eliminating the vignetting.
- **Unclear or Blurry Images:** Ensure the filter is clean and free of smudges or dust. Verify that the filter is securely attached and not loose. Check your camera's focus settings.
- **Uneven Polarization Effect:** Rotate the outer ring of the filter slowly while observing your camera's live view. The polarizing effect is directional, and optimal results are achieved when the filter is rotated to the correct angle relative to the light source and reflective surface.
- **Difficulty Attaching/Removing Filter:** Ensure the camera lens mount and filter threads are clean and free of debris. Apply gentle, even pressure when twisting. Do not force the filter.

Specifications

Feature	Detail

Feature	Detail
Compatible Camera	DJI Osmo Action 4
Filter Types Included	ND8/PL, ND16/PL, ND32/PL, ND64/PL
Material	High-definition AGC Optical Glass, Aviation Aluminum Alloy Frame
Coatings	28 Multi-layer Nano-coating (Water-repellent, Oil-proof, Scratch-resistant, Anti-glaring)
Light Reduction	3, 4, 5, and 6 f-stops respectively
Item Weight	Approximately 2.75 ounces (total kit)
Package Dimensions	4.41 x 4.41 x 0.87 inches

Warranty and Support

K&F Concept products are manufactured to high-quality standards. For specific warranty information, product support, or to address any issues not covered in this manual, please refer to the official K&F Concept website or contact their customer service directly.
You can visit the K&F Concept store for more information: K&F Concept Store

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