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K&F CONCEPT ND8+ND16+ND32+ND64

K&F Concept ND Filter Set User Manual for DJI Mavic 4 Pro

Model: ND8+ND16+ND32+ND64

1. Introduction

This manual provides instructions for the K&F Concept ND Filter Set, designed for the DJI Mavic 4 Pro drone. This set includes ND8, ND16, ND32, and ND64 filters, which are essential tools for controlling light exposure in various outdoor conditions, enhancing image quality, and enabling creative photographic and videographic effects.

2. Product Overview

The K&F Concept ND Filter Set for DJI Mavic 4 Pro consists of four neutral density filters. These filters are crafted from high-quality HD optical glass with multi-coated layers to ensure superior light transmission, minimize reflections, and maintain color accuracy. Each filter is lightweight, ensuring no impact on the drone's gimbal calibration.

- **ND8 Filter:** Reduces light by 3 f-stops, suitable for partially cloudy days.
- **ND16 Filter:** Reduces light by 4 f-stops, suitable for moderately bright sunlight.
- **ND32 Filter:** Reduces light by 5 f-stops, suitable for brighter sunlight.
- **ND64 Filter:** Reduces light by 6 f-stops, suitable for very bright sunlight.



An image displaying the DJI Mavic 4 Pro drone alongside the four K&F Concept ND filters (ND8, ND16, ND32, ND64) included in the set.



An image highlighting the lightweight design of the ND filter installed on a DJI Mavic 4 Pro drone, emphasizing no impact on gimbal calibration. A single filter weighs approximately 5 grams.

3. Setup and Installation

Follow these steps to correctly install the ND filters on your DJI Mavic 4 Pro drone camera lens.

1. **Hold the Gimbal:** Gently hold the drone's gimbal to prevent movement during installation.
2. **Align and Press:** Align the filter with the camera lens and gently press it into place.
3. **Rotate Clockwise:** Rotate the filter clockwise until it is securely fastened.
4. **Verify Installation:** Ensure the filter is firmly attached and does not obstruct gimbal movement.



A four-panel image illustrating the installation process: 1) Holding the gimbal, 2) Aligning the filter, 3) Rotating clockwise to secure, and 4) The finished installation.

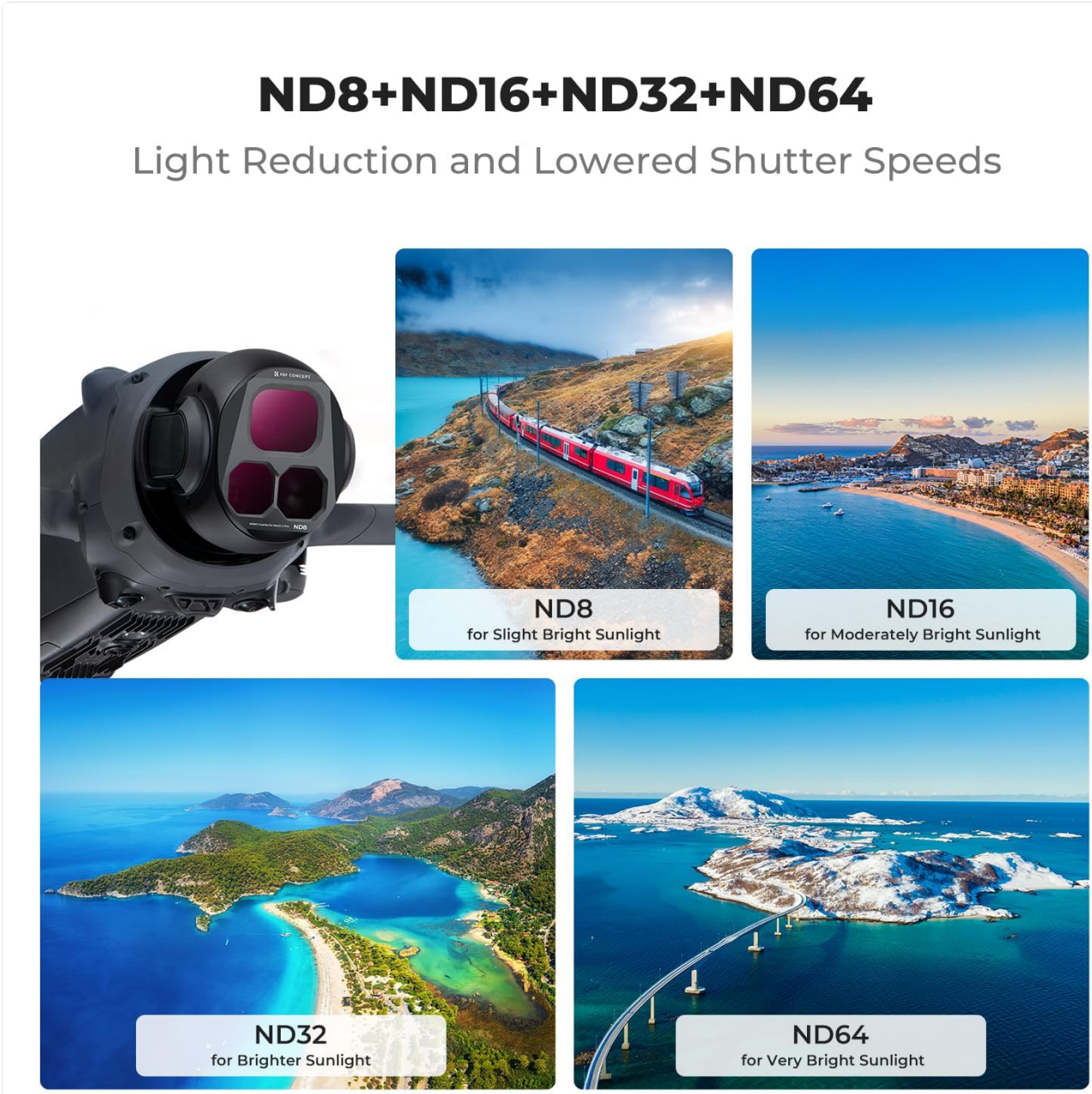
4. Operating Instructions

Neutral Density (ND) filters reduce the amount of light entering the camera sensor, allowing for slower shutter speeds and wider apertures in bright conditions. This helps achieve cinematic motion blur and prevents overexposure.

Choosing the Correct ND Filter

Select the appropriate ND filter based on the ambient light conditions and desired photographic effect:

- **ND8:** Ideal for partially cloudy days or when slight light reduction is needed. Reduces light by 3 f-stops.
- **ND16:** Suitable for moderately bright sunlight. Reduces light by 4 f-stops.
- **ND32:** Recommended for brighter sunlight conditions. Reduces light by 5 f-stops.
- **ND64:** Best for very bright, intense sunlight. Reduces light by 6 f-stops.



A collage of four images demonstrating the effect of ND8, ND16, ND32, and ND64 filters on drone footage under different sunlight conditions, from slight to very bright.

5. Maintenance and Care

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

- **Cleaning:** Use a soft, clean microfiber cloth specifically designed for optical lenses to gently wipe away dust or smudges. For stubborn marks, a small amount of lens cleaning solution can be applied to the cloth, not directly to the filter.
- **Storage:** Store filters in their protective case when not in use to prevent scratches and dust accumulation.
- **Handling:** Always handle filters by their edges to avoid leaving fingerprints on the glass surface.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the multi-coatings.



A detailed diagram showing the various layers of coating on the ND filters, including anti-reflective, water & oil resistant, and light reduction coatings, highlighting the HD optical glass.

6. Troubleshooting

- **Filter Not Attaching Securely:** Ensure the filter is correctly aligned with the lens mount and rotated clockwise until it clicks into place. Avoid forcing the filter.
- **Image Quality Issues (Blurry/Soft):**
  - Check if the filter is clean and free from smudges or dust.
  - Ensure the filter is fully seated and not loose.
  - Verify that the drone's camera focus is correctly set.
- **Gimbal Malfunction After Installation:**
  - Confirm the filter is correctly installed and not interfering with gimbal movement.
  - Ensure the filter is lightweight (approx. 5.5g) and within the drone's acceptable weight limits for accessories.
  - Remove the filter and restart the drone to see if the issue persists without the filter.

7. Specifications

- **Brand:** K&F CONCEPT
- **Model:** ND8+ND16+ND32+ND64 Filter Set
- **Compatibility:** DJI Mavic 4 Pro Drone
- **Filter Types:** ND8, ND16, ND32, ND64
- **Material:** HD Optical Glass
- **Coating:** 28-layer Multi-Coating (Anti-reflective, Water & Oil Resistant)
- **Light Reduction:**
  - ND8: 3 f-stops
  - ND16: 4 f-stops
  - ND32: 5 f-stops
  - ND64: 6 f-stops
- **Weight (per filter):** Approximately 5.5g (0.19 oz)
- **Water Resistance:** Water Resistant

8. Warranty and Support

K&F Concept products are manufactured to high-quality standards. For warranty information, technical support, or assistance with your ND filter set, please refer to the official K&F Concept website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Visit the K&F Concept Store on Amazon for more information.

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