K&F CONCEPT KF01.2035-nano-x-series-cpl-28-multi-layer

K&F CONCEPT CPL Filter Instruction Manual for DJI Mini 3 / Mini 3 Pro Drone

Model: KF01.2035-nano-x-series-cpl-28-multi-layer

1. Introduction

Thank you for choosing the K&F CONCEPT Circular Polarizer (CPL) filter for your DJI Mini 3 or Mini 3 Pro drone. This filter is designed to enhance your aerial photography and videography by reducing glare, improving color saturation, and increasing contrast. Made with high-quality AGC optical glass and featuring 28 multi-layer coatings, this lightweight filter ensures optimal image quality without affecting your drone's gimbal performance.



Figure 1: K&F CONCEPT CPL filter installed on a DJI Mini 3 Pro drone.

2. Installation and Removal

Follow these steps to properly install or remove the CPL filter on your DJI Mini 3 or Mini 3 Pro drone.

1. **Hold the Gimbal:** Gently hold the drone's gimbal to stabilize it during the process.
2. **Remove Original Lens Cap:** Carefully remove the original lens cap or any existing filter from the drone's camera.
3. **Align the Filter:** Align the K&F CONCEPT CPL filter with the camera lens opening. Ensure the filter is oriented correctly.
4. **Rotate to Secure:** Gently rotate the filter clockwise until it is securely seated on the camera lens. Do not overtighten.

To remove the filter, reverse the installation steps: gently rotate counter-clockwise and lift it off.



Figure 2: Step-by-step filter installation.

The K&F CONCEPT CPL filter is designed to be ultra-lightweight (only 1.1 grams) to ensure it does not adversely affect your drone's gimbal performance.



Figure 3: Lightweight design ensures no gimbal interference.

3. Operating the CPL Filter

The Circular Polarizer (CPL) filter is a crucial tool for drone photography, offering several benefits:

- **Glare Reduction:** The CPL filter effectively removes unwanted reflections from non-metallic surfaces such as water, glass, and wet foliage. This is particularly useful for capturing clear images of bodies of water or through windows.
- **Color & Contrast Enhancement:** By reducing atmospheric haze and reflections, the filter enhances the natural colors and contrast in your photos and videos. Skies appear bluer, clouds become more defined, and landscapes gain vibrancy.

To adjust the polarization effect, gently rotate the outer ring of the CPL filter while observing the live view on your drone's controller. Rotate until the desired level of reflection reduction and color saturation is achieved.

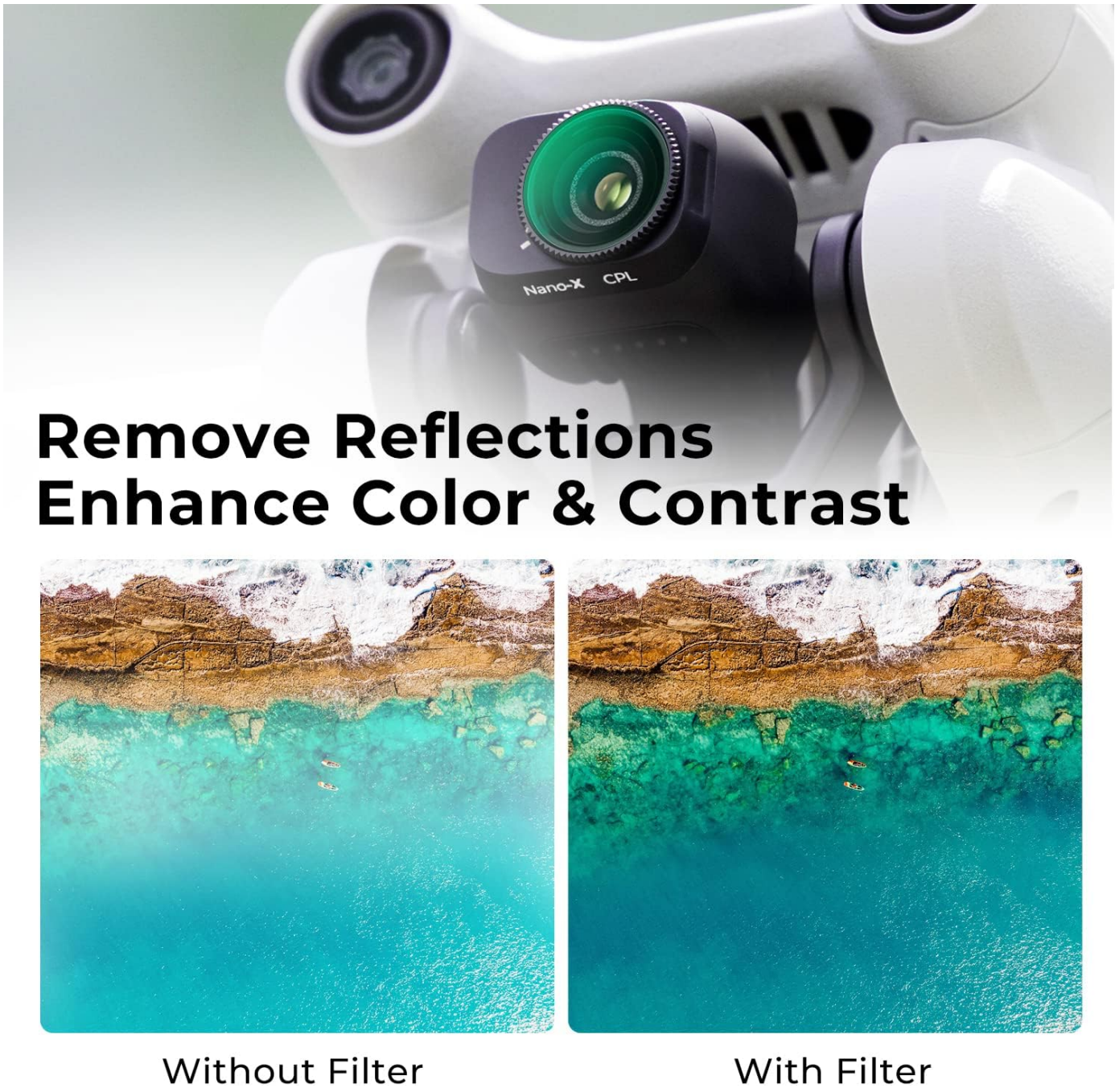


Figure 4: Comparison of drone footage without and with CPL filter, showing enhanced color and reduced reflections.

Official Product Videos

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Video 1: K&F Concept Filters for DJI Drone/Action Camera. This video demonstrates the application and effects of K&F Concept filters on various DJI drones and action cameras.

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Video 2: K&F Concept Filters for Mini 3 Pro. This video specifically showcases the features and benefits of K&F Concept filters designed for the DJI Mini 3 Pro drone.

4. Maintenance

To ensure the longevity and optimal performance of your K&F CONCEPT CPL filter, follow these maintenance guidelines:

- **Cleaning:** The filter features 28 multi-layer coatings, making it waterproof, scratch-resistant, dustproof, and oil-proof. For cleaning, use a soft, lint-free microfiber cloth. If necessary, a small amount of lens cleaning solution can be applied

to the cloth, not directly to the filter.

- **Storage:** Always store the filter in its robust protective case when not in use to prevent scratches and dust accumulation.
- **Handling:** Avoid touching the glass surface directly with your fingers to prevent oil and smudges. Handle the filter by its edges.



Figure 5: Filter features including multi-layer coatings and waterproof design.

5. Troubleshooting

If you encounter any issues with your K&F CONCEPT CPL filter, consider the following:

- **Unclear Images:** Ensure the filter is clean and free from dust, smudges, or scratches. Re-clean if necessary.
- **Gimbal Malfunction:** Verify that the filter is correctly installed and securely attached. The filter's lightweight design should not interfere with gimbal operation. If issues persist, remove the filter and test the drone's gimbal independently.
- **Insufficient Polarization Effect:** Rotate the outer ring of the CPL filter to adjust the polarization. The effect is most noticeable when shooting at a 90-degree angle to the sun.

For further assistance, please contact K&F CONCEPT customer support.

6. Specifications

Brand	K&F CONCEPT
Model Name	KF01.2035-nano-x-series-cpl-28-multi-layer
Compatible Devices	DJI Mini 3, DJI Mini 3 Pro
Material	Optical Glass

Photo Filter Effect Type	Polarizer
Coating Description	28 Multi-Layer Coatings
Water Resistance Level	Waterproof
Weight	1.1 grams (approx.)

7. Warranty and Support

K&F CONCEPT products are manufactured to high-quality standards. For warranty information, product support, or any inquiries, please visit the official K&F CONCEPT website or contact their customer service directly.
Visit the K&F CONCEPT Store on Amazon

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question