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K&F CONCEPT KF01.2928V2

K&F CONCEPT 82mm Nano-X Series 3-in-1 Lens Filter User Manual

Model: KF01.2928V2

1. Introduction

Thank you for choosing the K&F CONCEPT 82mm Nano-X Series 3-in-1 HD Lens Filter. This innovative filter combines three essential photographic effects into a single, high-quality unit: a Black Diffusion 1/4 effect, a Variable Neutral Density (ND2-32) filter, and a Circular Polarizing (CPL) filter. Designed for versatility and convenience, it allows photographers and videographers to achieve creative control over light, reflections, and atmospheric effects without needing to swap multiple filters.

This manual provides detailed instructions on how to set up, operate, and maintain your new lens filter to ensure optimal performance and longevity.



Figure 1: K&F CONCEPT 82mm Nano-X Series 3-in-1 Lens Filter mounted on a camera.

2. Setup

2.1 Identifying Your Lens Filter Size

Before attaching the filter, ensure it matches the thread size of your camera lens. The filter size is typically indicated by a “Φ” (phi) symbol followed by a number (e.g., Φ82mm) on the front or side of your lens. This K&F CONCEPT filter is designed for 82mm lenses.

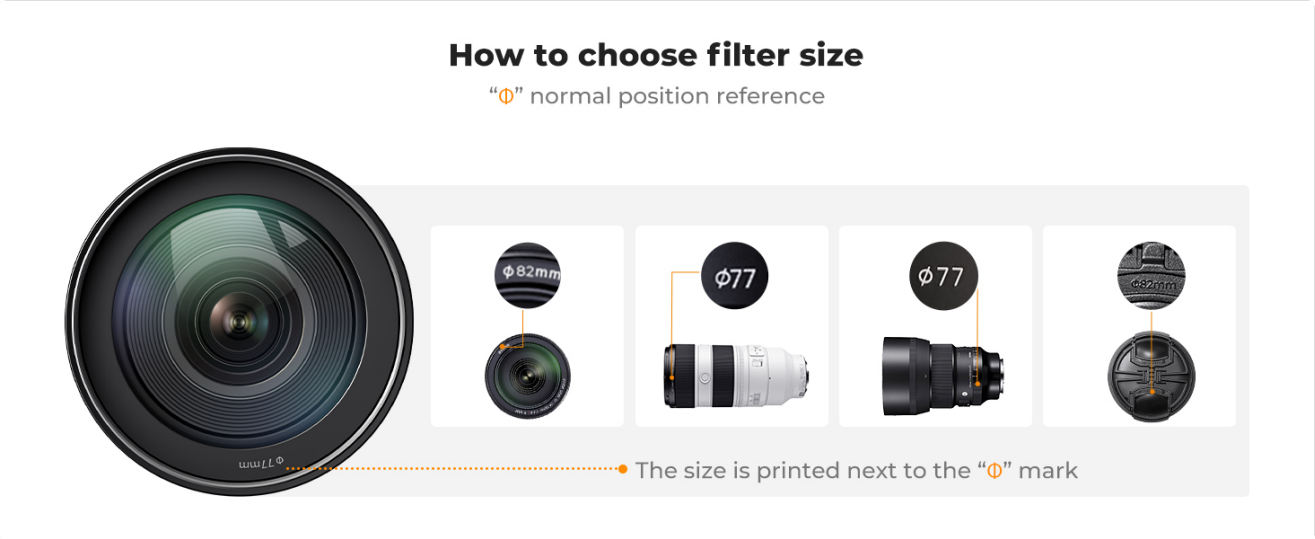


Figure 2: Locating the filter thread size on a camera lens.

2.2 Attaching the Filter to Your Lens

1. Carefully align the filter's threads with the threads on the front of your camera lens.
2. Gently rotate the filter clockwise until it is securely fastened. Avoid overtightening to prevent damage to both the filter and your lens.

Important Note:

- The front frame of this filter will be one size larger than the lens thread size (e.g., an 82mm filter will have an 86mm front frame).
- Due to its design, it is generally not possible to install a lens hood when this filter is attached.



Figure 3: Filter dimensions and lens hood compatibility warning.

3. Operating the 3-in-1 Filter

This filter integrates three powerful effects: Variable ND, Circular Polarizer (CPL), and Black Diffusion 1/4. Each can be adjusted to achieve desired photographic results.

3.1 Variable ND (Neutral Density) Function (ND2-32, 1-5 Stops)

The Variable ND function allows you to control the amount of light entering your lens, reducing exposure by 1 to 5 stops (ND2 to ND32). This is ideal for shooting in bright conditions, enabling wider apertures for shallow depth of field or slower shutter speeds for motion blur effects.

1. **Adjusting ND Value:** Locate the small orange pushrod on the side of the filter. Loosen the pushrod slightly.
2. Rotate the inner ring of the filter to adjust the ND value. The filter features self-locking technology to prevent accidental changes once set.
3. Observe the effect through your camera's viewfinder or LCD screen. The filter allows for precise adjustment between 1 and 5 stops.



Figure 4: 1-5 Stops Precise Adjustment mechanism.

3.2 Circular Polarizing (CPL) Function

The CPL function helps to reduce unwanted 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.

1. **Adjusting CPL Effect:** With the ND value set, rotate the entire outer frame of the filter.
2. Observe the scene through your camera. The polarizing effect will change as you rotate the filter. Stop rotating when the desired level of reflection reduction or color enhancement is achieved.

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Video 1: Demonstrating the CPL and ND adjustment for various scenarios.

3.3 Black Diffusion 1/4 Effect

The Black Diffusion 1/4 effect softens facial skin wrinkles, freckles, and pores, creating a more delicate and dreamy appearance. It also produces soft highlight flares and lowers overall contrast, contributing to a cinematic aesthetic. This effect is integrated into the filter and works in conjunction with the ND and CPL functions.



Figure 5: Softening highlights and skin tones with the Black Diffusion effect.

3.4 Avoiding the "X" Cross Pattern

This filter is designed with self-locking technology to prevent the common "X" cross pattern that can occur with variable ND filters, especially when used with focal lengths larger than 35mm. This ensures consistent and high-quality images across its ND range.

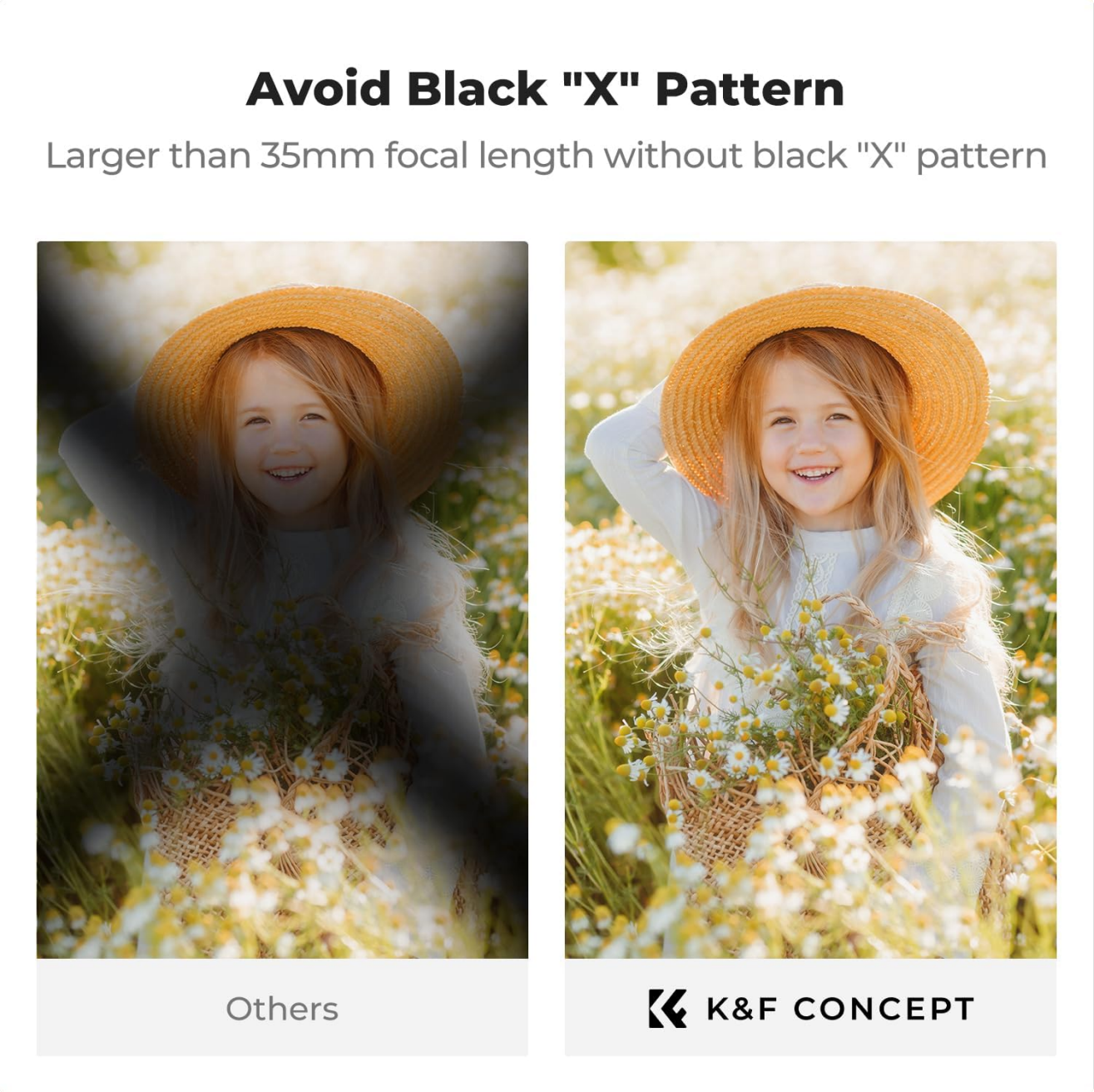


Figure 6: Demonstrating the absence of the "X" cross pattern with the K&F CONCEPT filter.

4. Maintenance

Proper care and maintenance will extend the life and performance of your K&F CONCEPT filter.

4.1 Cleaning the Filter

The filter features 28 multi-layer advanced coatings, making it resistant to water, oil, dust, and scratches. However, regular cleaning is recommended:

1. Use a soft, clean microfiber cleaning cloth (one is included in the package) to gently wipe away dust and fingerprints.
2. For stubborn smudges, lightly dampen the cloth with a lens cleaning solution specifically designed for optical glass.
3. Avoid using harsh chemicals or abrasive materials, as these can damage the coatings.

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Video 2: Unboxing and demonstrating the cleaning cloth and filter attachment.

4.2 Storage

When not in use, store the filter in its provided protective storage case to prevent scratches and dust accumulation. The compact design of the case makes it convenient for outdoor photography.

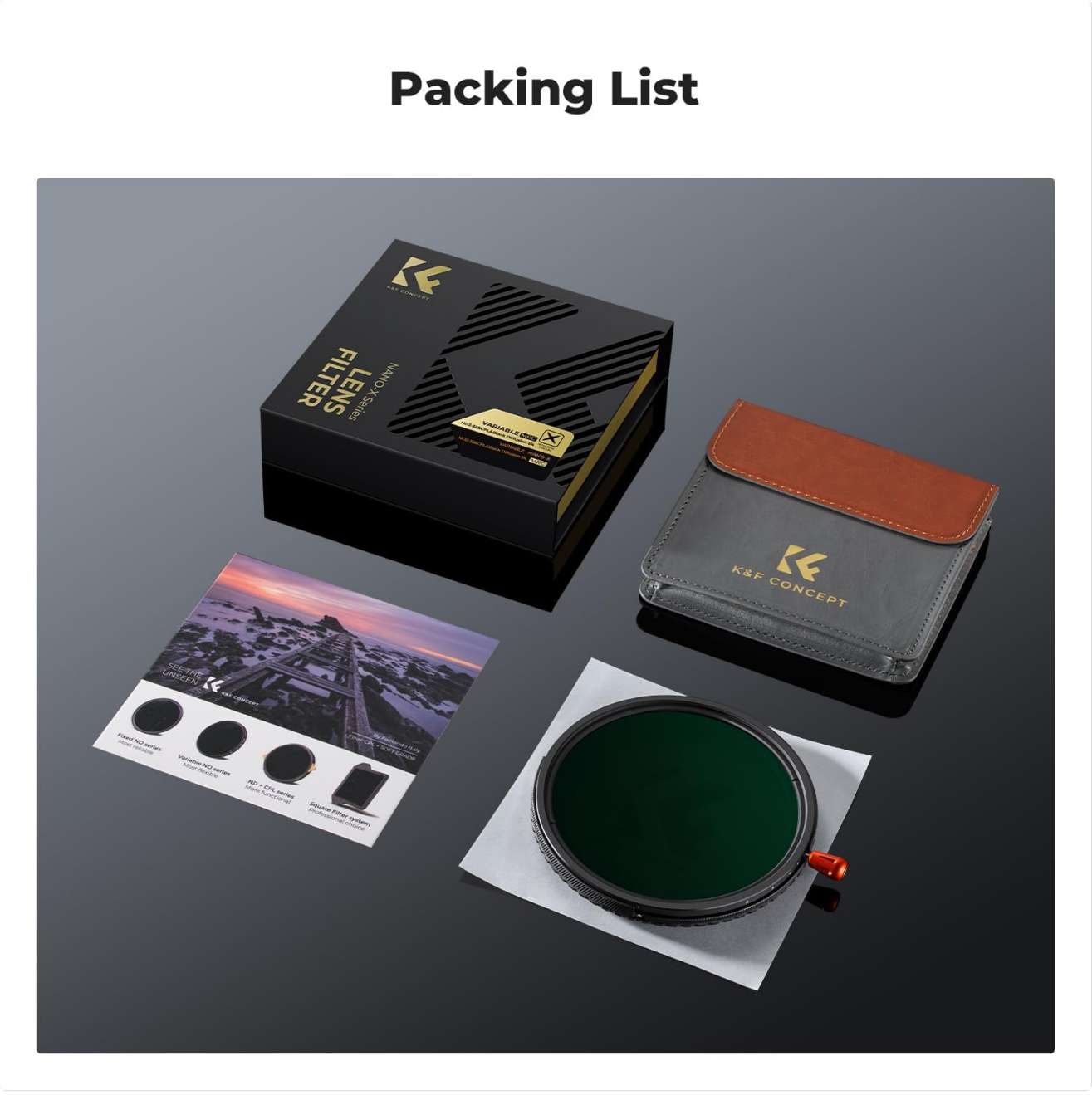


Figure 7: Filter and its protective storage case.

5. Troubleshooting

Problem	Possible Cause	Solution
Dark "X" pattern on images	Using the filter with very wide-angle lenses (below 35mm focal length) or at extreme ND settings.	This filter is designed to minimize the "X" pattern for focal lengths larger than 35mm. If it occurs, try adjusting the ND setting to a lower stop or using a longer focal length.

Problem	Possible Cause	Solution
Unwanted reflections or glare	CPL not properly adjusted.	Rotate the outer frame of the filter while looking through the viewfinder or LCD until reflections are minimized.
Images appear too dark or too bright	Incorrect ND setting.	Adjust the ND value using the pushrod to allow more or less light into the lens.
Slight color cast at high ND levels	Inherent characteristic of some variable ND filters at their maximum density.	Minor color shifts can often be corrected in post-processing. If severe, reduce the ND setting.
Filter difficult to attach/detach	Misaligned threads or overtightening.	Ensure threads are perfectly aligned before rotating. Do not overtighten. If stuck, try gently rotating in both directions to loosen.

6. Specifications

- **Brand:** K&F CONCEPT
- **Model Number:** KF01.2928V2
- **Filter Type:** 3-in-1 (Black Diffusion 1/4, Variable ND2-32, CPL)
- **Filter Size:** 82mm
- **Material:** Optical Glass
- **Coating:** 28 Multi-Layer Nano Coatings
- **ND Stops:** 1-5 (ND2-32)
- **Water Resistance:** Waterproof
- **Item Weight:** 0.705 ounces
- **Product Dimensions:** 30.31 x 3.03 x 0.04 inches

7. Warranty and Support

K&F CONCEPT products are designed for quality and reliability. For warranty information, technical support, or any inquiries regarding your filter, please refer to the official K&F CONCEPT website or contact their customer service directly. Contact details are typically provided in the packaging or on the brand's official online channels.
You can visit the K&F CONCEPT Store for more information:K&F CONCEPT Store

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