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K&F CONCEPT KF01.2925V2

K&F CONCEPT Nano-X Series 67mm 3-in-1 HD Lens Filter User Manual

Model: KF01.2925V2 | Brand: K&F CONCEPT

1. Introduction

The K&F CONCEPT Nano-X Series 67mm 3-in-1 HD Lens Filter is a versatile tool designed for photographers and videographers. It combines three essential functions: a Variable Neutral Density (ND2-32) filter for light reduction, a Circular Polarizing (CPL) filter for managing reflections and enhancing colors, and a Black Diffusion 1/4 filter for softening highlights and creating a cinematic look. This manual provides instructions for its proper use and maintenance.



Figure 1: K&F CONCEPT Nano-X Series 67mm 3-in-1 HD Lens Filter.

2. Key Features

- **3 Functions in 1 Filter:** Combines light reduction (ND), dreamy effect (Black Diffusion), and color/contrast enhancement (CPL).
- **No "X" Cross on Images:** Features self-locking technology for infinite rotation between 1 and 5 stops (ND2-32), preventing black cross patterns.
- **Soft Highlight Flares, Lowered Contrast:** Black diffusion 1/4 filter softens skin imperfections and creates a cinematic mist effect.
- **Enhance Color & Contrast:** CPL filter removes reflections from non-metallic surfaces, boosting color saturation and contrast.

- **28 Multi-Layer Advanced Coatings:** Double-sided coatings provide resistance against water, oil, dust, and scratches, using imported optical AGC glass.

3. Setup

3.1 Checking Lens Thread Size

Before attaching the filter, ensure your camera lens has a 67mm thread size. This information is usually printed on the front of your lens or in its specifications.

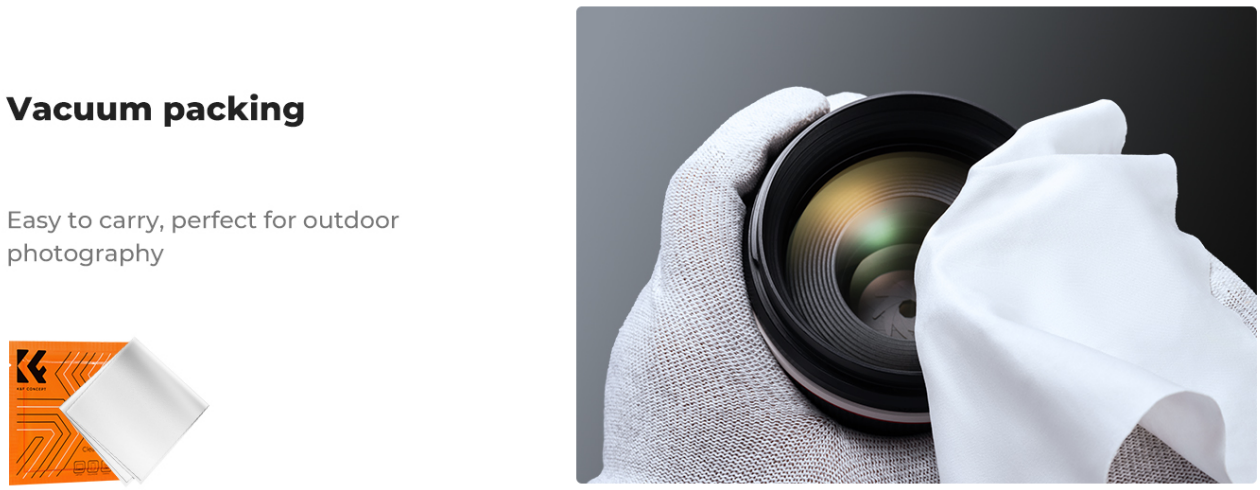


Figure 2: Locate your lens's thread size, typically indicated by a 'Φ' symbol.

3.2 Attaching the Filter

1. Carefully align the filter's threads with your camera lens's threads.
2. Gently rotate the filter clockwise until it is securely attached. Avoid overtightening.
3. Ensure the filter is flush with the lens and does not wobble.



Figure 3: The filter being attached to a camera lens.

3.3 Initial Inspection

After attachment, inspect the filter for any dust or smudges. Use the provided microfiber cleaning cloth to gently clean the surfaces if necessary.

4. Operating the Filter

This 3-in-1 filter offers versatile control over your image. Here's how to utilize its functions:

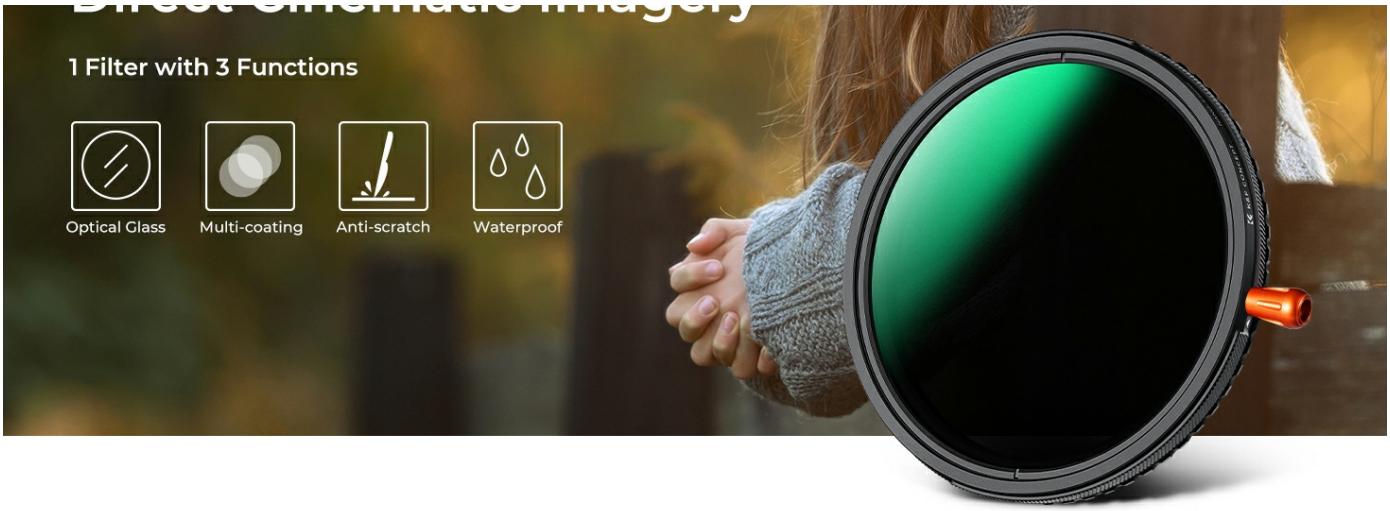


Figure 4: The filter combines Variable ND, CPL, and Black Diffusion functions.

4.1 Variable ND (ND2-32) Adjustment

The Variable ND function allows you to reduce the amount of light entering your camera lens by 1 to 5 stops. This is ideal for shooting in bright conditions, achieving slower shutter speeds, or wider apertures.

1. Locate the orange pushrod on the side of the filter.
2. Loosen the pushrod by rotating it slightly.
3. Rotate the filter ring to adjust the ND value from 1 to 5 stops. The markings on the filter indicate the stop levels.
4. Once the desired ND value is set, tighten the pushrod to lock the setting and prevent accidental changes.



Figure 5: Adjusting the Variable ND from 1 to 5 stops using the pushrod.

Video: K&F Concept 3-in-1 lens filter with black diffusion nd cpl

This video demonstrates the installation and adjustment of the 3-in-1 filter, including the variable ND function.

4.2 Circular Polarizing (CPL) Effect

The CPL function helps reduce glare from non-metallic surfaces (like water or glass) and enhances color saturation and contrast, particularly in skies and foliage.

1. With the filter attached, look through your camera's viewfinder or live view.
2. Rotate the outer ring of the filter (independent of the ND adjustment) until you achieve the desired polarization effect. You will observe reflections diminishing and colors becoming more vibrant.

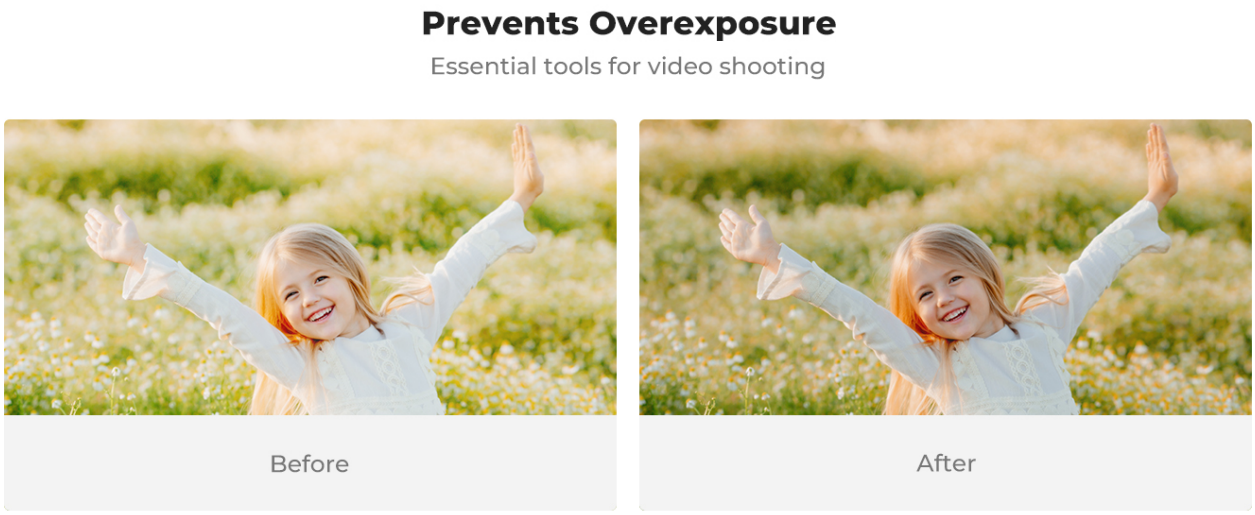


Figure 6: The CPL filter effectively eliminates reflected light from surfaces like glass.

4.3 Black Diffusion 1/4 Effect

The Black Diffusion 1/4 filter softens the image, reduces contrast, and creates a subtle glow around highlights, giving your footage a dreamy, cinematic quality.

1. This effect is integrated into the filter and is always active.
2. Observe the softening of highlights and skin tones in your composition.

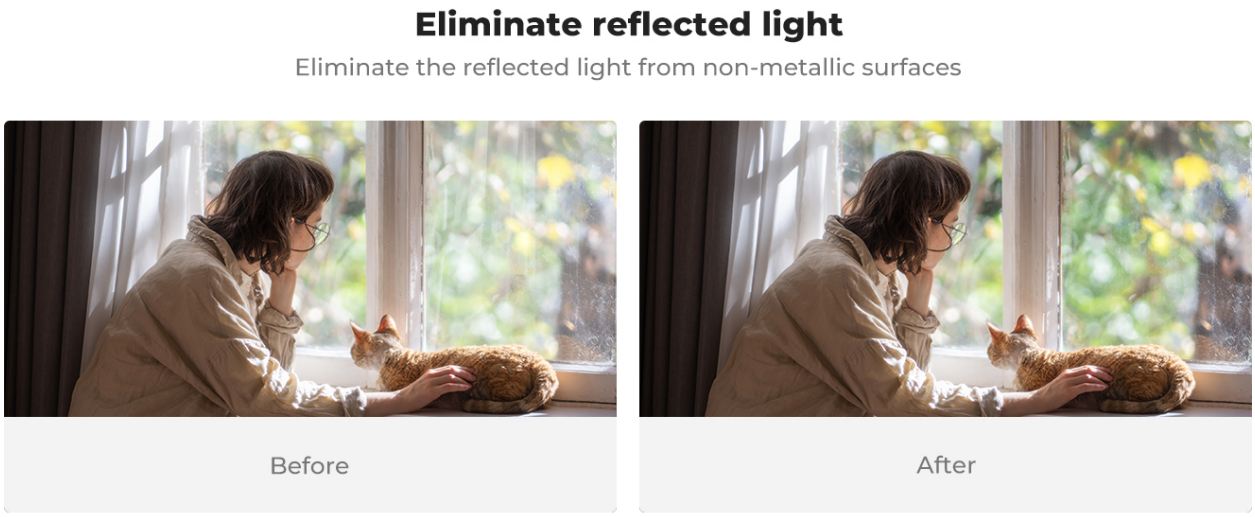


Figure 7: The Black Diffusion filter softens highlights for a more pleasing aesthetic.

Video: Black Diffusion & Variable ND & Polarizing Effect in-1

This video showcases the combined effects of Black Diffusion, Variable ND, and CPL filters.

5. Maintenance

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

5.1 Cleaning

- Use the provided microfiber cleaning cloth to gently wipe away dust, fingerprints, or smudges.
- For stubborn marks, a specialized lens cleaning solution can be applied to the cloth (not directly to the filter).
- Avoid using abrasive materials or harsh chemicals.



Figure 8: The included microfiber cleaning cloth for safe maintenance.

5.2 Storage

- Always store the filter in its protective leather pouch when not in use.
- Keep the filter in a dry, dust-free environment.

Packing List



Figure 9: The filter comes with a protective pouch for safe storage.

6. Troubleshooting

6.1 Avoiding "X" Cross Pattern

The filter is designed with self-locking technology to prevent the common "X" cross pattern that can occur with variable ND filters, especially at higher densities. Ensure the pushrod is properly engaged after adjusting the ND value.

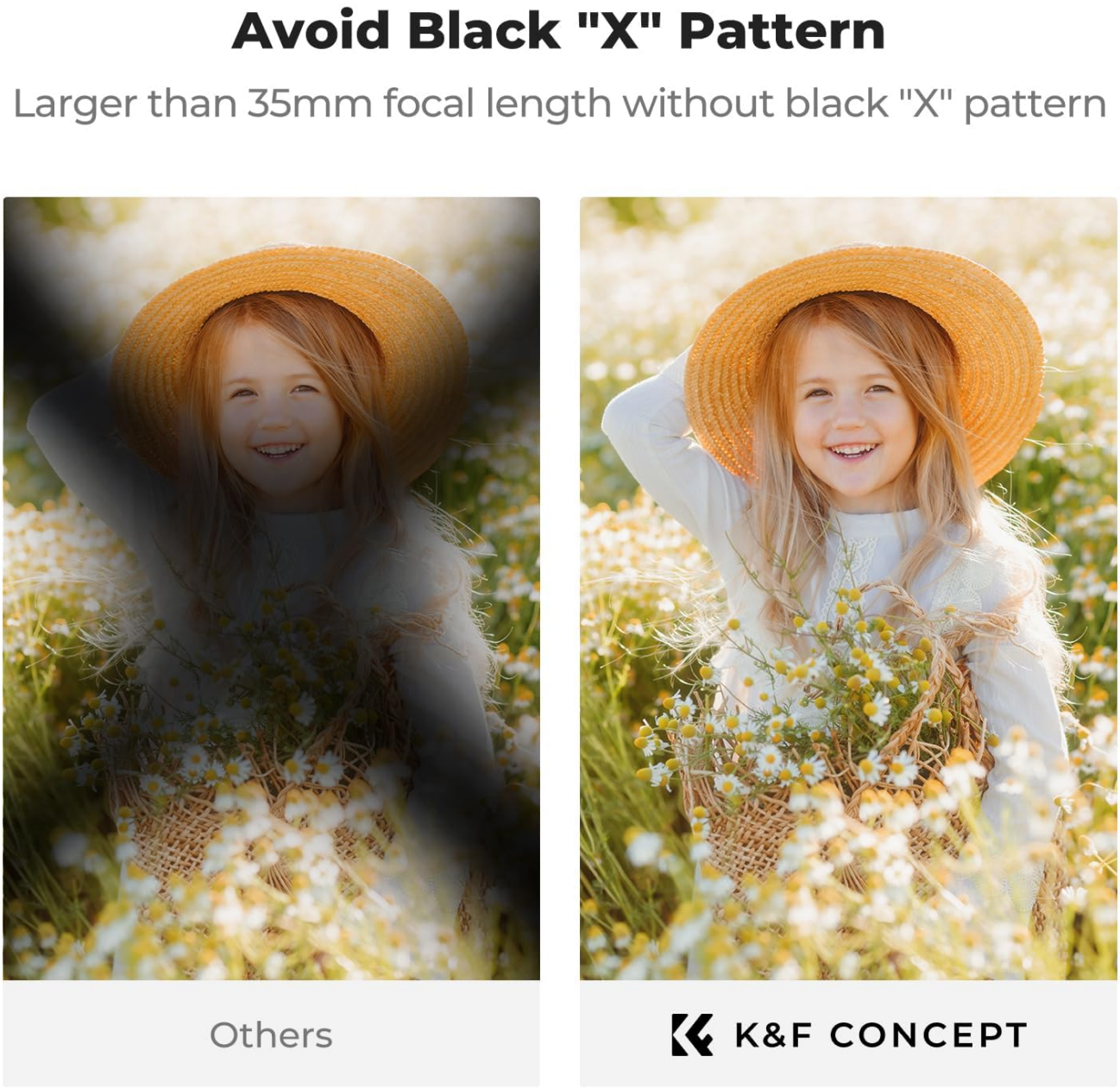


Figure 10: The filter's design helps avoid the undesirable "X" pattern.

6.2 Front Frame Size and Lens Hood Compatibility

Please note that the filter's front frame will be one size larger than the filter diameter (e.g., an 82mm filter diameter will have an 86mm front frame). This design may prevent the installation of a lens hood.

Precaution

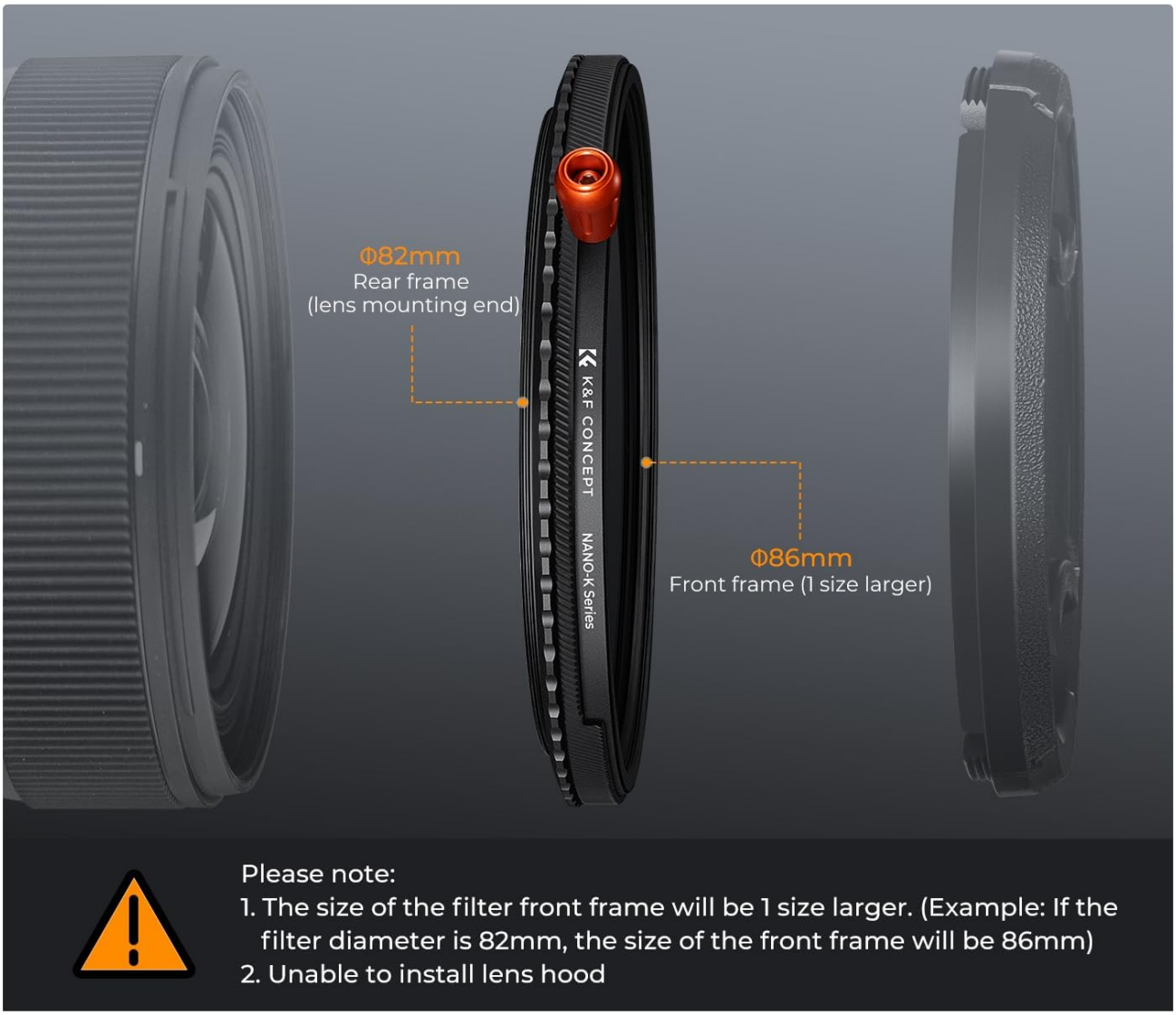


Figure 11: Illustration of the filter's front frame size and its impact on lens hood use.

6.3 Avoiding Vignetting

The slim design of this 3-in-1 filter helps to avoid vignetting (darkening of image corners) that can occur when stacking multiple filters.

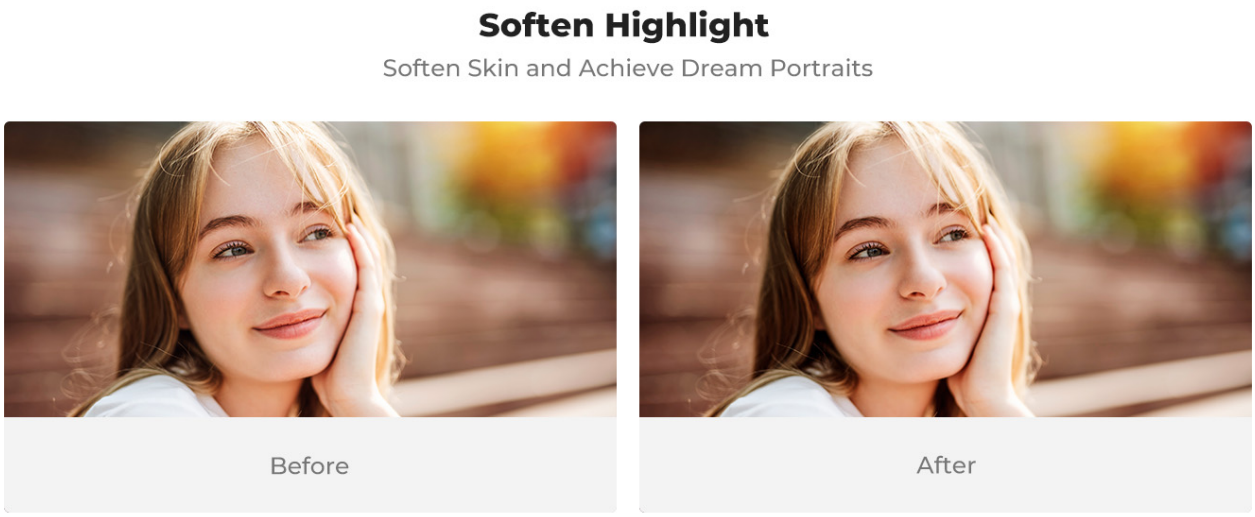


Figure 12: The 3-in-1 filter design minimizes vignetting compared to stacked filters.

7. Specifications

Feature	Specification
Brand	K&F CONCEPT
Model Name	Nano-X Series
Model Number	KF01.2925V2
Photo Filter Size	67 Millimeters
Photo Filter Thread Size	67 Millimeters
Material	Optical Glass
Coating Description	28 Multi Coating
Photo Filter Effect Type	Enhancing (ND, CPL, Black Diffusion)
Water Resistance Level	Waterproof
Photo Filter Factor	ND2-32 (1-5 Stops)
Item Weight	20 Grams
Product Dimensions	2.64"L x 2.64"W

8. Warranty and Support

For warranty information, technical support, or any inquiries regarding your K&F CONCEPT Nano-X Series 3-in-1 HD Lens Filter, please refer to the official K&F CONCEPT website or contact their customer service directly. Keep your purchase receipt for warranty claims.

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