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K&F CONCEPT 112mm MC UV Protection Filter

K&F CONCEPT 112mm MC UV Protection Filter User Manual

Model: 112mm MC UV Protection Filter

Introduction

The K&F CONCEPT 112mm MC UV Protection Filter is designed to protect your camera lens while enhancing image quality. It serves a dual purpose by absorbing ultraviolet (UV) rays, which can cause haze and blue cast in photographs, and by acting as a physical barrier against dust, scratches, and moisture. Crafted from premium Japanese AGC optical glass and featuring 28 multi-layer nanometer coatings, this filter ensures high light transmission and minimal reflections, preserving the authentic colors and sharpness of your images.



Image: The K&F CONCEPT 112mm MC UV Protection Filter installed on a camera lens.

Setup and Installation

Before installing the filter, ensure you have selected the correct size for your camera lens. The lens thread size is typically indicated by a "Φ" (diameter) symbol followed by the size in millimeters (e.g., Φ112 for a 112mm lens thread size). This information is usually found on the front of your lens or on its cap.

1. **Verify Lens Thread Size:** Locate the diameter marking on your lens. This filter is specifically designed for 112mm lens threads.
2. **Clean Lens Surface:** Gently clean the front element of your camera lens using a microfiber cloth to remove any dust or smudges before attaching the filter.
3. **Attach Filter:** Carefully align the filter with the lens threads. Rotate the filter clockwise until it is securely fastened. Avoid overtightening to prevent damage to both the filter and the lens.
4. **Check for Secure Fit:** Ensure the filter is seated evenly and does not wobble.



Image: Guide on how to identify the correct filter size for your camera lens.

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Video: Demonstrates the installation of the K&F CONCEPT Nano-X Series MCUV Filter onto a camera lens, highlighting its protective features and multi-layer coatings.

Operating the Filter

Once installed, the K&F CONCEPT MC UV Protection Filter operates passively, providing continuous protection and optical benefits without requiring user interaction during shooting.

- **UV Absorption:** The filter absorbs harmful UV rays, which can cause a bluish tint and reduce clarity in outdoor photographs, especially at high altitudes or near large bodies of water.
- **Enhanced Clarity:** With 28 multi-layer coatings, the filter achieves an impressive 99.6% light transmission, ensuring that virtually no light is lost or distorted. This results in ultra-clear, high-definition images with accurate color reproduction.
- **Reduced Reflections:** The advanced NANOTEC coatings minimize reflections from both the environment and the filter surface, preventing glare and ghosting.
- **No Vignetting:** The ultra-slim 3.3mm frame and double-side polishing technology prevent vignetting (darkening of image corners), even when used with wide-angle or telephoto lenses.

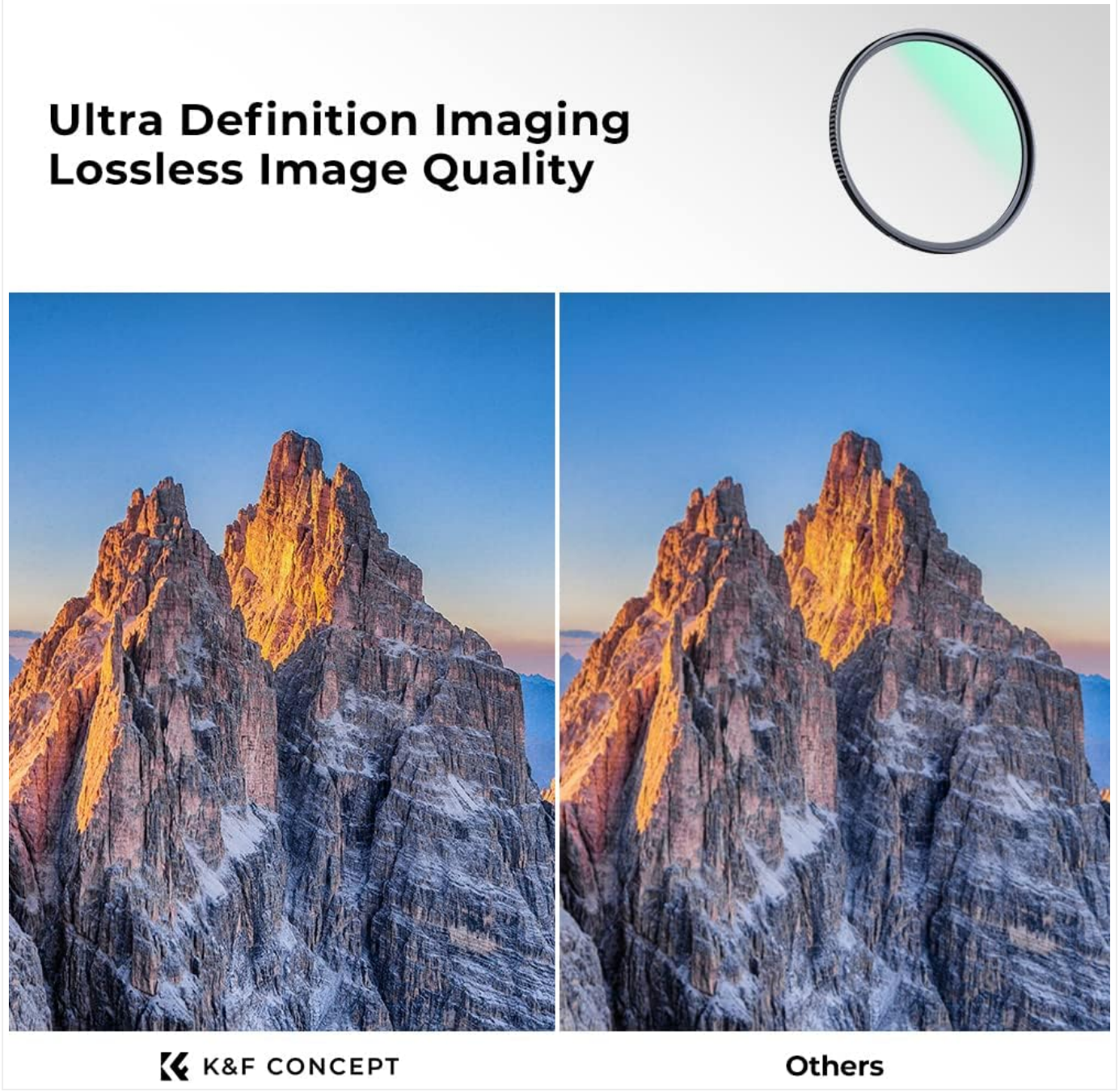


Image: A side-by-side comparison demonstrating the ultra-definition imaging and lossless image quality achieved with the K&F CONCEPT filter versus an unfiltered image.

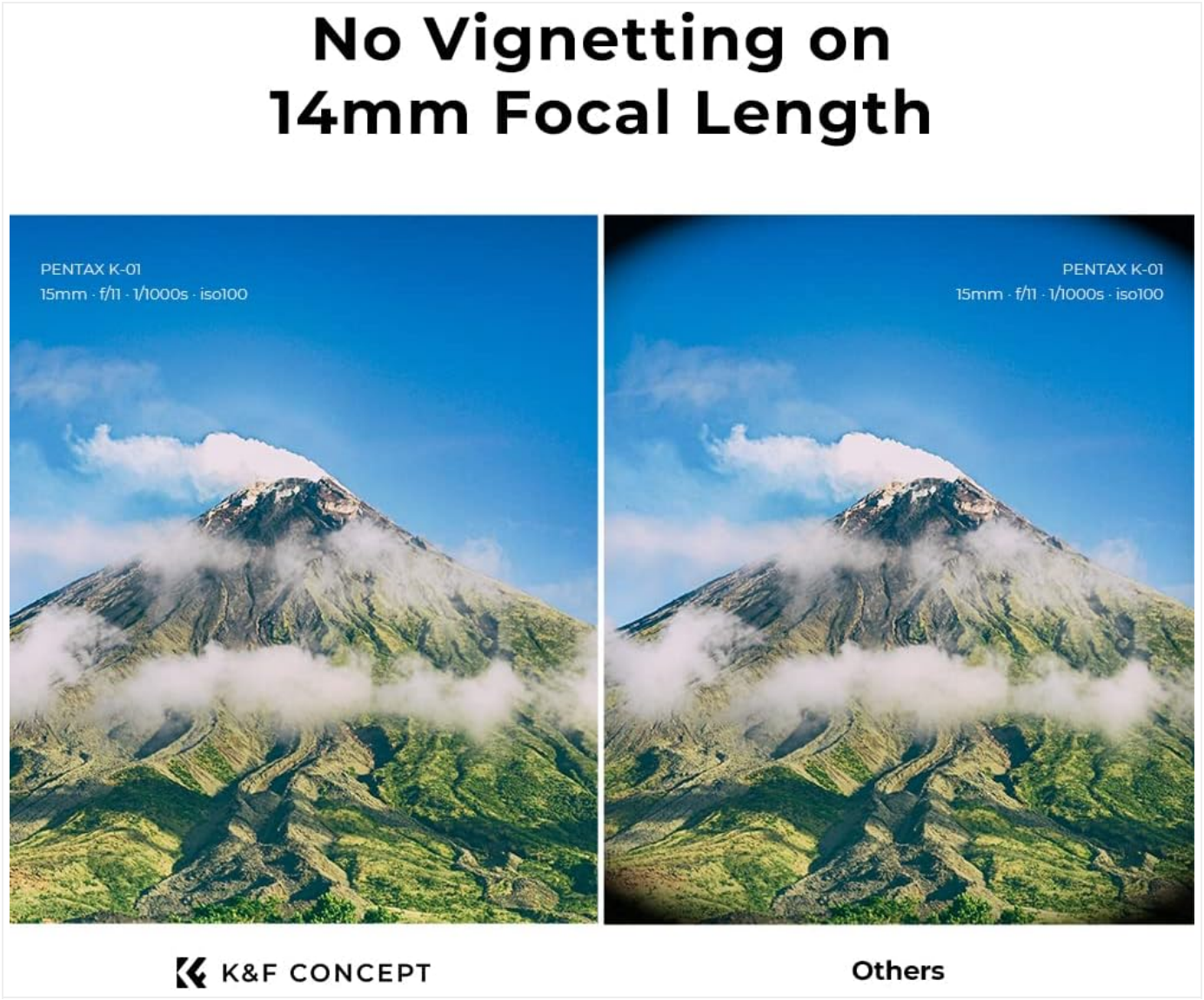


Image: A comparison illustrating the absence of vignetting when using the K&F CONCEPT filter, even at a 14mm focal length.

Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your K&F CONCEPT UV filter.

- **Cleaning:** The filter features hydrophobic and oleophobic coatings, making it resistant to water, oil, and fingerprints. For cleaning, use a clean, soft microfiber cloth. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth (not directly to the filter).
- **Storage:** When not in use, store the filter in its protective case to prevent dust accumulation and scratches.
- **Handling:** Always handle the filter by its edges to avoid touching the glass surface.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the coatings.



Image: Demonstration of the water and dust-proof coatings on the K&F CONCEPT filter, showing easy cleaning.

Troubleshooting

- **Filter Not Screwing On Smoothly:** Ensure the filter is correctly aligned with the lens threads. Do not force it. If resistance is met, unscrew, realign, and try again. Check for any debris in the threads of either the filter or the lens.
- **Vignetting (Dark Corners):** While this filter is designed to prevent vignetting, ensure it is fully and correctly seated. If using multiple filters, remove additional filters to see if the issue persists.
- **Image Quality Degradation (Haze/Softness):** Ensure the filter is clean and free of smudges, dust, or fingerprints. Even minor imperfections can affect image clarity. If the issue persists, remove the filter and test the lens without it to determine if the filter is the cause.
- **Compatibility with Lens Hoods:** Some lens hoods, such as the Nikon HB97, may have shallow screw threads that can cause the filter to detach easily. If you experience this, consider using a different lens hood or an alternative filter mounting solution.

Specifications

Feature	Detail
Brand	K&F CONCEPT
Model	112mm MC UV Protection Filter
Material	Japanese AGC Optical Glass
Photo Filter Thread Size	112 Millimeters
Coating Description	28 Multi-Layer Nano Coatings (Hydrophobic, Oleophobic, Scratch-Resistant)
Light Transmission	99.6%
Frame Thickness	3.3mm (Ultra-Slim)
Photo Filter Effect Type	Ultraviolet (UV) Protection
Water Resistance Level	Not Water Resistant (Coatings provide resistance, but filter itself is not submersible)
Product Dimensions	4.41 x 4.41 x 0.04 inches
Item Weight	6.5 ounces

Warranty Information

K&F CONCEPT products typically come with a manufacturer's warranty covering defects in materials and workmanship. For specific warranty terms, duration, and claim procedures, please refer to the warranty card included with your product or visit the official K&F CONCEPT website. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, product inquiries, or support, please contact K&F CONCEPT customer service through their official website or the contact information provided in your product packaging. You can also visit the K&F CONCEPT Store on Amazon for additional resources and product information.

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