

## NEEWER 10101188

# NEEWER 2 in 1 77mm Variable ND2-ND32 & CPL Filter Instruction Manual

Model: 10101188

## INTRODUCTION

---

This manual provides essential information for the proper use and care of your NEEWER 2 in 1 77mm Variable ND2-ND32 & CPL Filter. This innovative filter combines the functions of a variable neutral density (ND) filter and a circular polarizer (CPL) filter, offering enhanced creative control over your photography and videography.

## SETUP

---

### 1. Confirm Lens Compatibility

Before attaching the filter, verify your camera lens's thread size. The thread size is typically marked on the front or side of your lens, often next to a "Φ" (diameter) symbol. This filter is compatible with all lenses that have a 77mm thread size.

### 2. Attaching the Filter

Gently align the filter's threads with your lens's threads. Rotate the filter clockwise until it is securely fastened. Avoid overtightening to prevent damage to both the filter and your lens.

# 77mm Filter for Camera Lens

Compatible with any lens with a **77mm** filter.  
The filter size is marked on the front or side of your lens, next to a "Ø" (diameter) symbol.



The 77mm ND filter requires an Ø 82mm lens cap. The front diameter is larger than the back diameter of this filter, which is specially designed to avoid vignetting on wide angle lens.

Image: Proper attachment of the 77mm filter to a camera lens. Note that an 82mm lens cap is required for this filter due to its design.

### 3. Lens Cap Compatibility

Due to the ultra-slim design and wider front diameter of this filter, a lens cap or hood of 82mm is required, not a 77mm cap. Please ensure you have the correct size lens cap for proper protection.



0.3" / 7.6mm

# CNC Machined

## Aircraft Grade Aluminum Alloy Frame

- Anti Slip Pattern
- Ultra Slim Frame
- Easy to Install



Image: Detail of the CNC machined aluminum alloy frame, highlighting the anti-slip texture for easy installation and removal.

## OPERATING INSTRUCTIONS

### 1. Adjusting the Variable ND Effect

The filter allows for a 1-5 stop reduction in light (ND2 to ND32). To adjust the neutral density, rotate the outer ring of the filter. Laser-etched marks indicate the ND levels, allowing for precise control. This feature is ideal for shooting in bright conditions, enabling wider apertures or slower shutter speeds to achieve motion blur effects.



## 5 Stops

### Variable ND2-ND32 & CPL Filter

The ND2-ND32 filter reduces the light that enters the lens in 1-5 stops, offering more control over exposure, wider aperture and shutter speed.

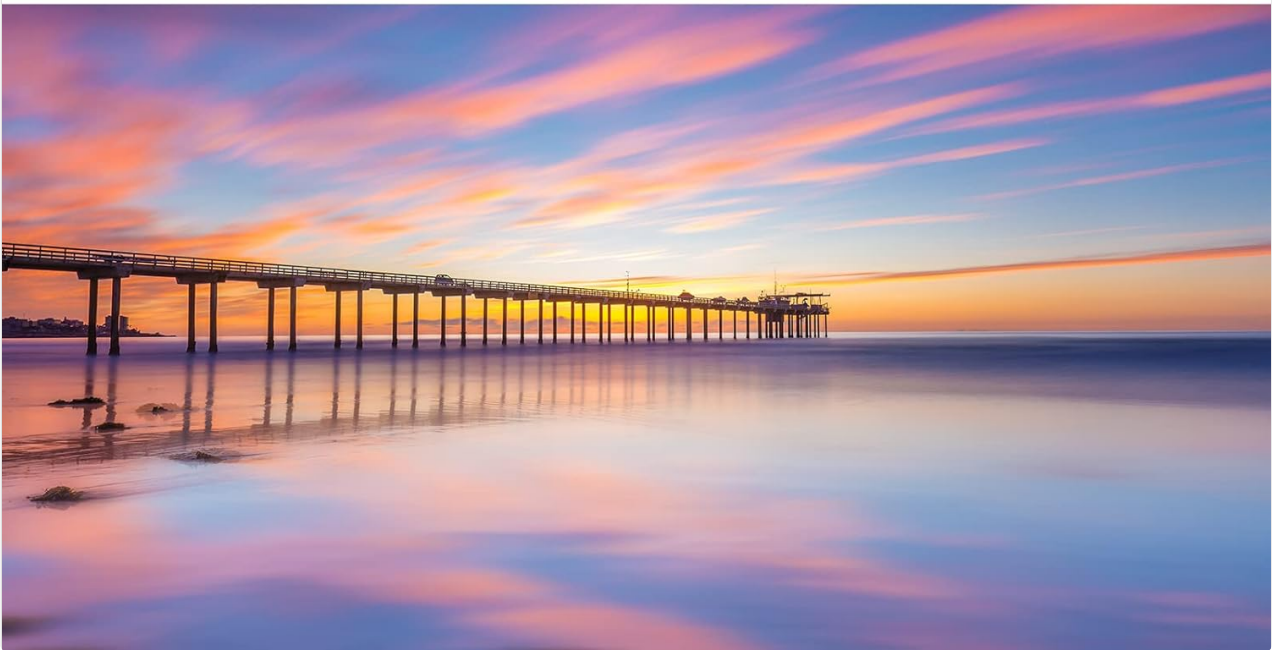
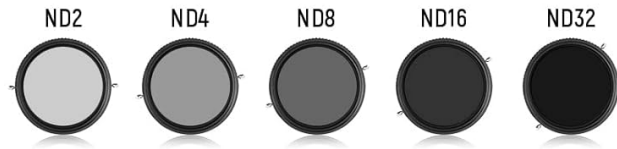


Image: Visual representation of the 5-stop variable neutral density adjustment, from ND2 to ND32.

# Variable ND Filter



Image: Example of a waterfall captured unfiltered and with the variable ND filter, showcasing the motion blur effect.

## 2. Adjusting the CPL Effect

After setting your desired ND level, you can rotate the serrated frame of the filter to adjust the circular polarizing (CPL) effect. This reduces reflections and glare from non-metallic surfaces such as water or glass, and enhances color saturation and contrast in the sky.

## Adjust CPL Filter Effect

Rotate the serrated frame to adjust CPL polarizing effect.

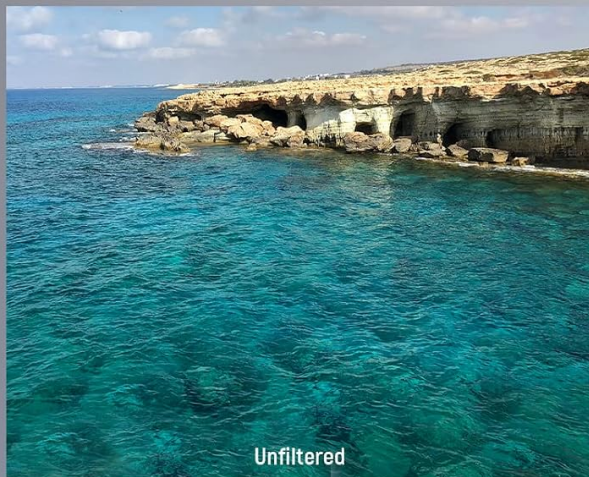


Image: Demonstrating how to rotate the filter's serrated frame to adjust the CPL effect.

# 2 in 1

With ND filter and CPL filter combined in one, adjust ND stop first, then rotate the serrated frame to achieve CPL filter effect and ND filter effect simultaneously.



Variable ND Filter

+



CPL Filter

=



Variable ND2-ND32 & CPL Filter



Image: Examples of the combined ND and CPL effects, showing motion blur and reduced reflections.

### 3. Avoiding Dark Cross Shadow

This NEEWER filter incorporates self-locking technology to prevent the common issue of dark cross shadows or vignetting when used with wide-angle lenses. This ensures consistent image quality across the frame.



## No Dark Cross Shadow

With self locking technology, the filter ensures that there will be no dark cross and vignetting when mounted on wide angle lens.



Image: Comparison demonstrating the absence of dark cross shadows with the NEEWER filter, unlike other variable ND filters.

### 4. Official Product Videos

Video: NEEWER 2 in 1 Variable ND Filter CPL Filter. This video demonstrates the features and usage of the filter, including its variable ND and CPL functions.

Video: NEEWER 2 in 1 Variable ND Filter ND2 ND32 CPL Filter. This video provides a detailed overview of the filter's capabilities and how to achieve different photographic effects.

## MAINTENANCE

### Cleaning the Filter

The filter features HD optical glass with 30 layers of nano coatings, making it water repellent, oil repellent, and scratch resistant. To clean, gently wipe the filter surface with the included cleaning cloth or a soft, lint-free microfiber cloth. For stubborn smudges, use a small amount of lens cleaning solution applied to the cloth, not directly to the filter. Avoid abrasive materials or harsh chemicals.

# Multi Coated HD Optical Glass

30 layers of nano coatings on the both side of the filters, the reflectivity can reach less than **0.1%** to reduce flare and ghosting.

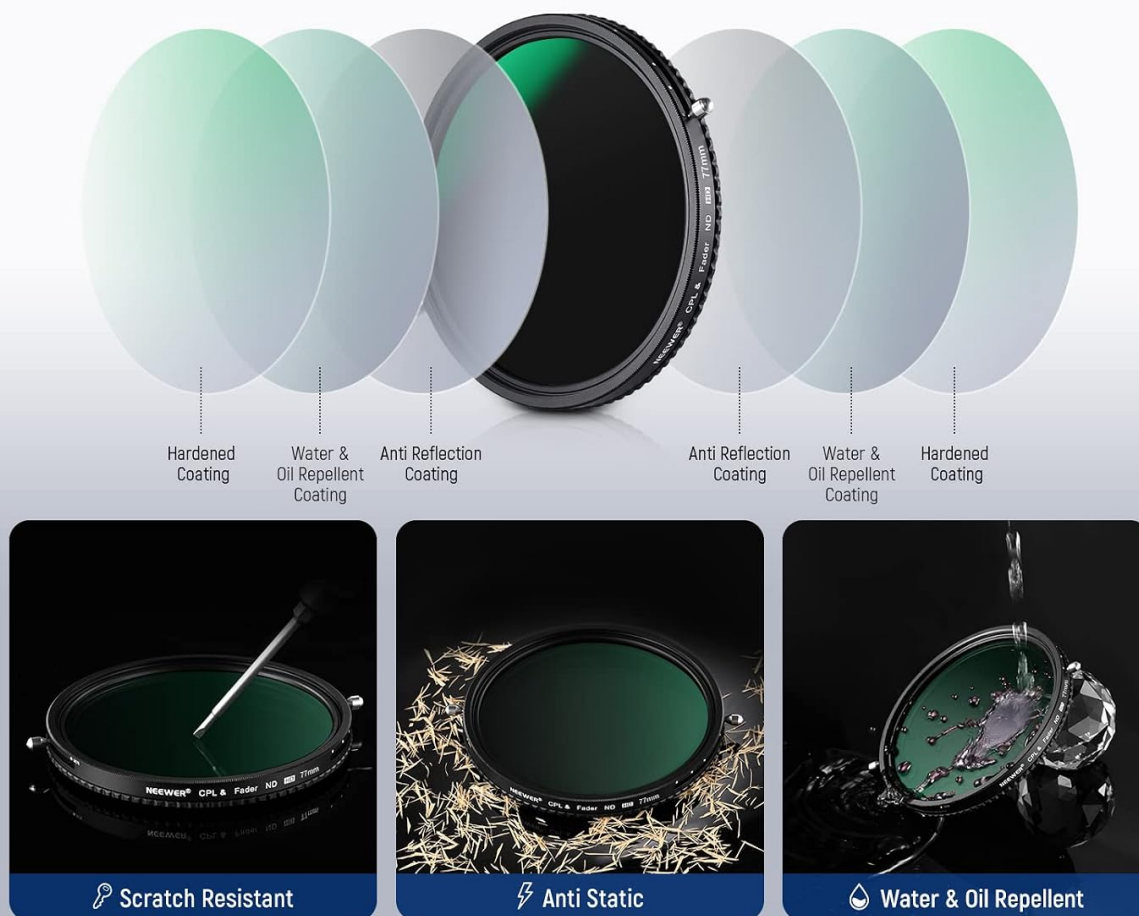


Image: Illustration of the multi-coated HD optical glass and its protective properties against scratches, static, water, and oil.

## Storage

When not in use, store the filter in its protective case to prevent dust accumulation and accidental damage.

## TROUBLESHOOTING

- **Difficulty Adjusting ND/CPL:** If you find it hard to adjust one effect without affecting the other, ensure you are rotating the correct ring. The ND adjustment is typically the inner ring, and the CPL adjustment is the outer serrated frame. Sometimes, a firm but gentle grip on the stationary part of the filter is needed while rotating the adjustable part.
- **Vignetting or Dark Cross:** This filter is designed to minimize dark cross shadows on wide-angle lenses. If you experience vignetting, ensure the filter is correctly seated and not cross-threaded. Also, check if you are using an additional filter (e.g., UV filter) underneath, which might increase the overall thickness and cause vignetting.
- **Filter Stuck on Lens:** If the filter becomes difficult to remove, try using a rubber filter wrench for better grip. Avoid using excessive force, which can damage the lens or filter threads.
- **Reflections Still Present:** For optimal CPL effect, rotate the outer ring while observing your viewfinder or

screen. The polarizing effect is strongest at certain angles relative to the light source.

## SPECIFICATIONS

Feature	Detail
Brand	NEEWER
Model Number	10101188
Material	Aluminum, Optical Glass
Photo Filter Thread Size	77 Millimeters
Coating Description	Nano Coating (30 layers)
Photo Filter Effect Type	Variable Neutral Density (ND2-ND32) & Polarizer (CPL)
Water Resistance Level	Water Repellent
Photo Filter Factor	32x (ND32)
Product Dimensions	3.03"L x 3.03"W
Number of Items	1
Compatible Devices	All camera lenses with a 77mm thread size
Built-In Media	1 x 77mm 2 in 1 ND & CPL Filter, 1 x Protective Case, 1 x Cleaning Cloth

## WARRANTY INFORMATION

This NEEWER product is covered by a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for any warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or contact NEEWER customer support.

## SUPPORT

For further assistance, technical support, or product inquiries, please visit the official NEEWER website or contact their customer service department. You can also find more information and products at the [NEEWER Store on Amazon](#).