

Hama 00070667

Hama UV Filter 390 HTMC Multi-Coated 67mm Instruction Manual

Model: 00070667

1. INTRODUCTION

The Hama UV Filter 390 HTMC Multi-Coated 67mm is an essential accessory for DSLR camera lenses. It serves a dual purpose: protecting your valuable lens and improving image quality by managing ultraviolet light.

Key Features:

- **UV Absorption:** Effectively absorbs ultraviolet rays up to 390 nm, reducing haze and preventing fuzziness in photographs.
- **Lens Protection:** Acts as a physical barrier, safeguarding the front element of your camera lens from scratches, dust, fingerprints, and minor impacts.
- **HTMC Multi-Coating:** Features an 8-layer HTMC (High Transmission Multi-Coating) on each side, ensuring high light transmission and minimizing reflections.
- **Neutral Colour:** Designed to be color-neutral, ensuring no color cast is introduced into your images.
- **Durable Construction:** Made with high-quality lens glass and a robust metal mount.

2. PRODUCT OVERVIEW

The Hama UV Filter 390 is a circular filter designed to screw onto the front thread of compatible camera lenses. Its slim profile and black metal mount ensure minimal vignetting and a secure fit.



Image 2.1: Front view of the Hama UV Filter 390 HTMC Multi-Coated 67mm. This image shows the filter's clear glass and black metal frame with the Hama logo.



Image 2.2: Side profile of the Hama UV Filter 390, illustrating its slim 5mm mount thickness.



Image 2.3: Close-up view of the Hama UV Filter 390's textured edge and branding, showing the quality of the metal mount.

3. SETUP AND INSTALLATION

Installing the Hama UV Filter 390 is a straightforward process. Ensure your camera lens has a 67mm filter thread for proper compatibility.

Installation Steps:

1. **Identify Lens Thread Size:** Locate the filter thread size on your camera lens. This is usually printed on the front of the lens barrel or on the inside of the lens cap. Confirm it is 67mm.
2. **Remove Lens Cap:** Carefully remove the front lens cap from your camera lens.
3. **Align Filter:** Hold the Hama UV Filter 390 with the threaded side facing the lens. Align the filter's threads with the threads on the front of your lens.
4. **Screw On:** Gently turn the filter clockwise. Ensure it threads smoothly without forcing it. If you encounter resistance, unscrew, realign, and try again. Cross-threading can damage both the filter and your lens.
5. **Tighten Gently:** Once the filter is fully threaded, tighten it just enough so it is secure. Avoid over-tightening, as this can make it difficult to remove later.

The filter is now installed and ready for use. You can typically attach your lens cap or lens hood directly onto the filter's front thread.

4. OPERATING PRINCIPLES

The Hama UV Filter 390 operates by selectively absorbing ultraviolet light, which is invisible to the human eye but can affect photographic images, especially in bright, outdoor conditions or at high altitudes.

How it Works:

- **UV Light Reduction:** The filter's specialized glass and coating absorb UV radiation, preventing it from reaching the camera sensor. This reduces atmospheric haze and improves clarity and contrast in distant subjects.
- **Physical Protection:** Beyond optical benefits, the filter acts as a sacrificial layer. In the event of accidental bumps, scratches, or exposure to dust and moisture, the filter bears the brunt, protecting the more expensive front element of your lens.
- **Multi-Coating Benefits:** The HTMC (8x) multi-coating minimizes internal reflections and flare, ensuring that the filter itself does not degrade image quality by introducing unwanted light artifacts.



Image 4.1: The Hama UV Filter 390 shown over a sea landscape, demonstrating its ability to reduce haze and enhance clarity

in bright conditions.



Image 4.2: The Hama UV Filter 390 applied to a mountain hiking scene, illustrating its effectiveness in high-altitude environments where UV light is more prevalent.



Image 4.3: The Hama UV Filter 390 in a skiing environment, showcasing its protective and clarity-enhancing properties in bright, reflective snow conditions.

5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your Hama UV Filter 390.

Cleaning Instructions:

- **Dust Removal:** Use a soft lens brush or a blower to remove loose dust particles from the filter surface.
- **Fingerprints/Smudges:** For stubborn marks, apply a small amount of lens cleaning solution to a clean, soft microfiber cloth. Gently wipe the filter surface in a circular motion from the center outwards.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the multi-coating.
- **Clean Cloths:** Always use clean, lint-free cloths specifically designed for optical surfaces.

Storage:

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

- Keep the filter in a dry, cool environment, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Hama UV Filter 390, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Filter will not screw onto lens.	Incorrect thread size or cross-threading.	Verify lens thread size is 67mm. Realign the filter carefully and turn gently to avoid cross-threading.
Image quality appears degraded (e.g., blurry, soft).	Dirty filter surface or excessive reflections.	Clean the filter thoroughly using recommended methods. Ensure the filter is securely attached.
Filter is stuck on the lens.	Over-tightened or thermal expansion/contraction.	Try using a rubber grip or a filter wrench for gentle removal. Avoid excessive force.
Vignetting (dark corners in images).	Using multiple filters or a wide-angle lens.	This filter has a slim mount to minimize vignetting. If it occurs, consider removing other filters or using a wider lens hood.

7. SPECIFICATIONS

Feature	Detail
Brand	Hama
Model Number	00070667
Filter Type	UV Filter 390
Filter Thread Size	67 mm
Coating	HTMC Multi-Coated (8 Layers)
Mount Thickness	5 mm
Material	High-quality Lens Glass, Metal Mount
Colour	Black
Item Weight	18 Grams
UV Absorption	Up to 390 nm

8. WARRANTY AND SUPPORT

Hama provides a comprehensive warranty for this product.

Warranty Information:

- This Hama UV Filter 390 comes with a **5-Year Manufacturer Warranty**.

- The warranty covers manufacturing defects and material faults under normal use.
- Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, warranty claims, or further inquiries, please contact Hama customer support through their official website or authorized service centers.

You can find more information and contact details on the official Hama website: www.hama.com