



CLEANING KITS FOR LENSES AND FULL FRAME/APS-C SENSORS

Thank you for choosing Sensei.

Precautions

- Please read and follow these instructions, and keep this manual in a safe place.
- Make sure to clean indoors, under a sufficiently lit area with airflow and moderate humidity levels.
- Use the sensor swabs only once, and throw them away after use. Repeated use of the swabs can cause secondary contamination, and may even cause damage to the sensor.
- If stains, dirt, and debris cannot be removed after using the cleaning tools and following the directions, contact a service center. Do not continue to use the cleaning tools.
- Do not use the sensor or lens cleaner in low-temperature or freezing environments.
- Place cleaners out of reach of children.
- All images are for illustrative purposes only.

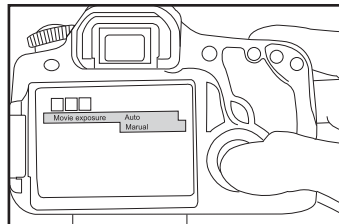
Sensor Cleaning

Dust Detection

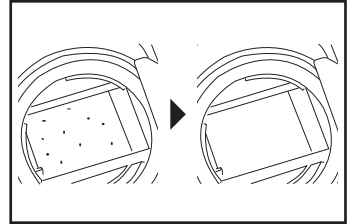
You can determine if there's dust on your sensor by following these instructions.

Set your camera to the following settings:

1. A/Av (aperture priority mode)
2. F (aperture) to F16
3. MF (manual focus mode)
4. Exposure compensation to 0
5. White balance to Auto
6. ISO to 200
7. If your lens has a focus ring, set it to infinity.



Point the camera at a bright white wall or paper so the white area fills the camera's frame, and take a picture. Zoom 100% into the photo to check if there are any black or gray spots. Keep in mind that the position of any dark spots is reversed, up-down and left-right, compared to how it appears in the photo. If there are black and gray spots, then the sensor needs to be cleaned.



Cleaning the Sensor

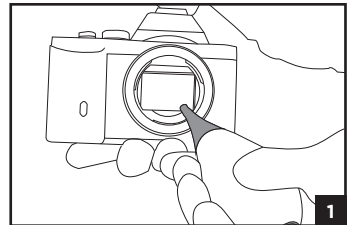
Warning:

- Each swab is made for only a one-time use.
- Before cleaning the sensor of a DSLR, make sure the battery power is above 80% to prevent the shutter from falling while using the swab. This can potentially cause damage.
- Before cleaning the sensor of a mirrorless camera with a 5-axis vibration reduction function, remove the battery.

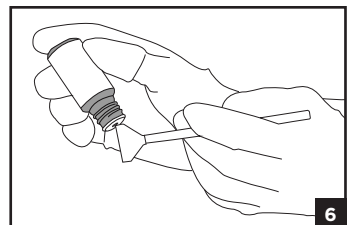
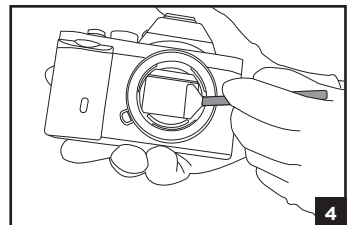
Important:

- It's recommended to wear antistatic gloves when cleaning your camera and sensor.
- Make sure you're in a well-lit area while cleaning your camera and sensor.
- For DSLRs: Turn on the camera's sensor cleaning mode. Press the shutter button, and the mirror will automatically flip up and expose the sensor.

1. Remove the camera lens from the body, and point the body downward while using a bulb blower to blow away dust particles on the sensor and surrounding areas.
2. Blow a few more puffs of air to remove any remaining dust from the sensor's surface. If there's no more dust on the sensor, then you're done. If there's still dust on the sensor, remove a dry swab from its sealed package.
3. Tilt the dry swab at 60 degrees, and lightly touch it to the left side of the sensor.



4. Gently wipe from left to right, then use the other side of the swab and wipe from right to left, using each side of the swab only once.
5. Check the sensor for any dust or smudges. If there's any debris left on the sensor, throw away the used dry swab and remove a new one from its sealed package.
6. Squeeze 1 to 2 drops of the sensor cleaner onto the new swab, and repeat steps 3 and 4.



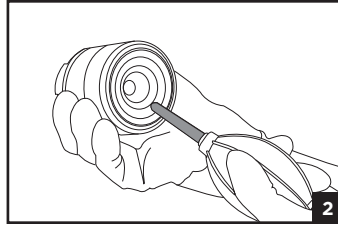
Lens Cleaning

Important:

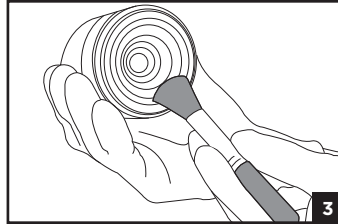
- It's recommended to wear antistatic gloves when cleaning your camera lens.
- Make sure you're in a well-lit area while cleaning your camera lens.

1. Remove the lens cap from the lens.

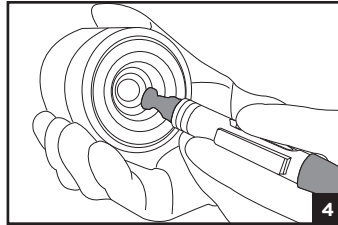
2. Use a bulb blower to blow away any dust on the lens surface.



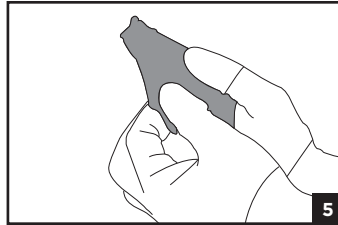
3. If dust remains on the lens element, use the lens pen brush to gently clean any remaining particles.



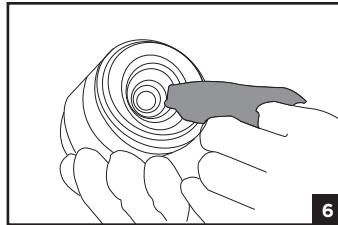
4. If there are fingerprints on the lens, use the carbon head side of the lens pen. Clean from the center to the outer edge.



5. Alternatively, you can use a microfiber cloth. Wrap the cloth around a single fingertip, and rub the lens in a circle from the center to the outer edge.



6. To remove stubborn fingerprints and smudges, use the spray cleaner on the cloth and rub the lens in a circle from the center to the outer edge. Use the dry side of the cloth to remove any moisture from the lens.



7. Repeat the previous steps to clean the rear lens element and filters.

8. Use a bulb blower and brush to clean out dust from the lens caps and lens shell.

Camera Cleaning

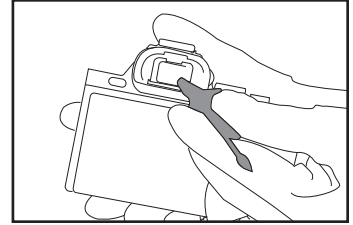
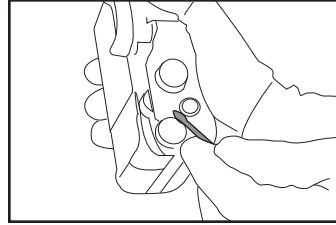
Important:

It's recommended to wear antistatic gloves when cleaning your camera.

1. Use a bulb blower and brush to clean the camera body.

2. To clean fingerprints or dirt on the body and in between parts, wrap a dust-free cotton swab (not included) with the cleaning cloth, and spray a small amount of the lens cleaner onto the end.

3. Use a wet wipe to clean the body and remove any tough dirt and oil.



One-Year Limited Warranty

This Sensei product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. The inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Sensei Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Sensei along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.madebysensei.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.

www.gradusgroup.com

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