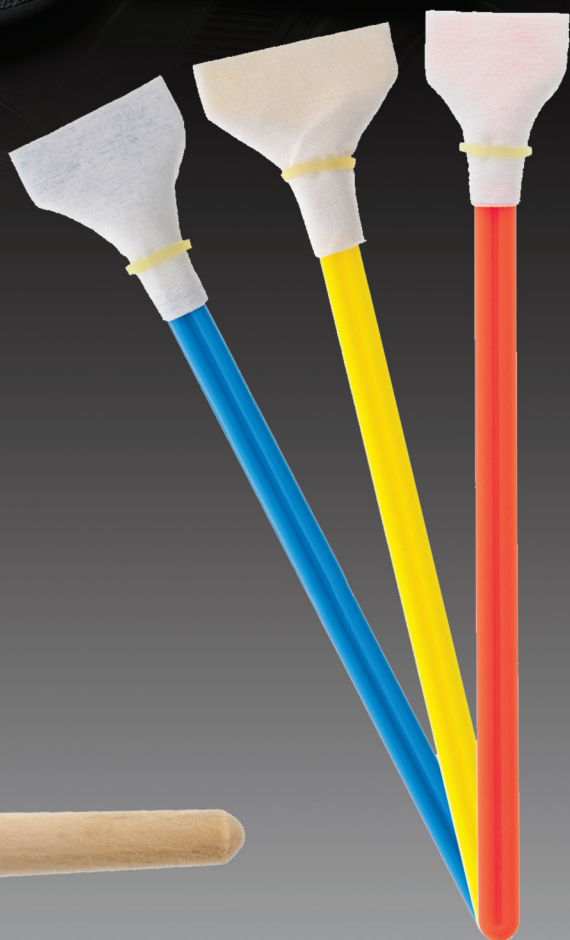




the
dust
patrol



Sensor Cleaning Products



Alpha Premium Sensor Cleaning Swabs

Our Alpha Premium Sensor Cleaning Swabs (Alpha Swabs) are very similar to the swabs primarily used by the professionals for the past 18+ years, but with three main improvements.

1. **Shorter Paddle** – a shorter paddle provides minimal flexing and better visibility.
2. **Thicker Handle** – a thicker handle provides minimal flexing, less pressure and a better grip.
3. **Color Coded** – color coding by size makes it easier for those cleaning multiple different cameras to quickly grab the right swab for the right camera.

Features:

- Made in the USA
- The Best Guarantee in the industry
- Cleanroom manufactured and packaged
- More absorbent than the polyester versions
- Folded, not welded edges
- Folded, not glued - cleaning fluid may dissolve glue, leaving it on the sensor.
- Sturdier handle reduces flexing
- Shorter paddle creates more room to see
- Color coded by size
- Non abrasive / lint free
- Exact fit
- Secure grip (handle)



Our Alpha Premium Sensor Cleaning Swabs are cleanroom manufactured and individually sealed in a plastic bag. This ensures a clean swab each and every time.

Alpha Premium Sensor Cleaning Swabs are folded, not welded. Welding the edges is a cheaper way to manufacture swabs, but it leaves sharp corners that can scratch the coating on the sensor. The sharp edges of the welded swabs are very apparent if you rub your finger across the corner at the leading edge of the swab. That is why the folded edge is superior to the welded edge swab. The polyester material used in the welded edge swabs require more cleaning solution and pressure than our swabs.

Using the folding method for our swabs also provides square corners that allow you to clean the edges more efficiently than the welded type with rounded corners.

The portion of the swab that is doing the cleaning is the very top leading edge, not the sides. We chose to go with the shortest paddle possible while still being able to use the folded material manufacturing process. This allows for greater visibility of the sensor while you clean.



**Welded Material
The Other Brand**

Actual Photos of Unaltered Swabs



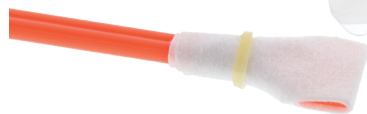
**Folded Material
Alpha Swab**

SKU	Description	UPC	MSRP
A17-4	Alpha 17mm Premium Sensor Cleaning Swabs (4pk) (Red APS-C)	014891167094	\$9.95
A17-12	Alpha 17mm Premium Sensor Cleaning Swabs (12pk) (Red APS-C)	014891167100	\$21.95
A17-100	Alpha 17mm Premium Sensor Cleaning Swabs (100 bulk pk) (Red APS-C).....	014891167117	\$119.95
A20-4	Alpha 20mm Premium Sensor Cleaning Swabs (4pk) (Blue Micro 4/3 1.3x).....	014891167148	\$9.95
A20-12	Alpha 20mm Premium Sensor Cleaning Swabs (12pk) (Blue Micro 4/3 1.3x).....	014891167155	\$21.95
A20-100	Alpha 20mm Premium Sensor Cleaning Swabs (100 bulk pk) (Blue Micro 4/3) ...	014891167162	\$124.95
A24-4	Alpha 24mm Premium Sensor Cleaning Swabs (4pk) (Yellow Full Frame)	014891167193	\$9.95
A24-12	Alpha 24mm Premium Sensor Cleaning Swabs (12pk) (Yellow Full Frame)	014891167209	\$21.95
A24-100	Alpha 24mm Premium Sensor Cleaning Swabs (100 bulk) (Yellow Full Frame)...	014891167216	\$127.95

Beta & Gamma Optical Cleaning Fluid

We offer 2 different cleaning fluids to be used in conjunction with the Alpha Swabs.

Our **Gamma Optical Cleaning Fluid** is the best sensor cleaning fluid on the market. Gamma Optical Cleaning Fluid is based on the chemical, methanol, which has been used since the conception of sensor cleaning. When used in an appropriate volume, it will evaporate as quickly as it is applied, leaving a clean sensor and no residue. Use with Alpha Premium Sensor Cleaning Swabs for cleaning your CMOS or CCD sensor.



Our **Beta Optical Cleaning Fluid** is an airline friendly (non-flammable) sensor and optical cleaner fluid. TSA approved for checked or carry-on luggage, this chemical was formulated to clean as well as the methanol based cleaners.



Not only are Beta & Gamma Optical Cleaning Fluids effective on sensors, they are well suited for all optics. Use with Delta Optical Cleaning Wipes for cleaning your lens optics.

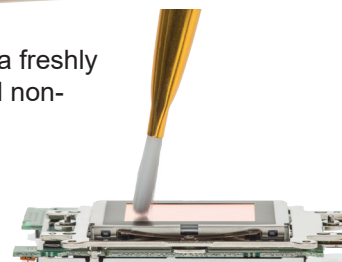
SKU	Description	UPC	MSRP
GOC-20-F	Gamma Optical Cleaning Fluid 2.0 oz. (Flammable)	014891167254	\$8.95
GOC-05-F	Gamma Optical Cleaning Fluid 0.5 oz. (Flammable)	014891167049	\$6.95
BOC-05	Beta Optical Cleaning Fluid 0.5 oz.	014891167032	\$12.95

D-SLR Brush

Our D-SLR Brush® is a high quality, fine bristled sensor cleaning brush from Germany. The nylon bristles of the D-SLR Brush® are statically charged by blowing air through the bristles (ie. with your Giotto's blower). This not only charges the brush, but it helps dislodge and remove any previously captured dust particles still in the brush. When you whisk lightly across the sensor with a freshly charged brush, the charge on the bristles attracts the dust from the sensor, removing all non-welded dust.



No sensor cleaning brush will completely eliminate the need for the wet method of sensor cleaning. With the D-SLR Brush® you won't have to use the wet method nearly as often - saving you time, products and money.



When purchased individually, the D-SLR Brush® comes complete with 1 D-SLR Brush® & 3 ChamberSwabs® packaged inside of a polyurethane tube for protection and storage while traveling. This kit also comes with printed instructions. All of this is inside a resealable, hangable, 2 mil plastic bag.

Three Different Sizes:

- D-SLR-16 – 16mm Brush for Cameras with an APS-C Sensors or Larger
- D-SLR-13 – 20mm Brush for Cameras with a 1.3x Sensor and Larger
- D-SLR-10 – 24mm Brush for Cameras with a Full Frame Sensor



Note: You can use a smaller brush on a larger sensor, but you can't use a larger brush on a smaller sensor! **In our experience, it is more convenient to use the D-SLR-16 on all sensors.**

SKU	Description	UPC	MSRP
D-SLR-16	D-SLR Sensor Cleaning Brush for APS-C Sensors (16mm)	827912052572	\$19.95
D-SLR-13	D-SLR Sensor Cleaning Brush for 1.3x Sensors (20mm)	827912052565	\$19.95
D-SLR-10	D-SLR Sensor Cleaning Brush for Full Frame Sensors (24mm)	827912052558	\$19.95

Delta Optical Cleaning Wipes



Delta Optical Cleaning Wipes

Delta Optical Cleaning Wipes are super soft, lint-free, strong and non-abrasive. These 4"x4" (10cm x 10cm) and 9"x9" (23cm x 23cm) wipes are not your standard disposable lens tissue. These thick premium wipes are designed for cleaning optics and photographic emulsion.



Use with Beta or Gamma Optical Cleaning Fluid for cleaning optics and Plexiglas. For cleaning film emulsion, use with film cleaner.

Great For

- Camera LCD Screens • Camera Lenses • CD's • Copiers • Film Emulsion • Glass • Ink jet Printer Heads
- Phone Screens • Photo Frames • Prints • Scanners • Tablet Screens

SKU	Description	UPC	MSRP
D-100	Delta 4x4 Optical Cleaning Wipes (100pk).....	014891167056	\$8.95
D-1200	Delta 4x4 Optical Cleaning Wipes (1200pk).....	014891167773	\$75.95
D-9X9	Delta 9x9 Optical Cleaning Wipes (25pk).....	014891167780	\$7.95

Not Recommended For Cleaning Digital Camera Sensors

This material has become very popular by those making their own sensor cleaning tools. This started back in 2001 when Thom Hogan wrote an article about a cost saving measure which entailed wrapping this material around a plastic Wendy's knife. At the time, commercially available sensor cleaning swabs were around \$4.00 a piece. We understand why many would want to make their own sensor cleaning tools. Unfortunately homemade sensor cleaning tools are responsible for more than 99% of the damaged sensors that we have seen. It is for this reason we cannot condone, recommend, nor warranty the Delta Optical Cleaning Wipes for this use.

ChamberSwab®



Our ChamberSwab® is one of the very few true preventative products available for purchase today for assistance in preventing dust from reaching your sensor. The foam-tipped ChamberSwab®, with a couple of drops of Beta or Gamma Optical Cleaning Fluid, will help remove the stray dust and excess lubricants from the walls of the mirror cage/chamber. By cleaning the chamber walls, you will reduce the chance of contaminating your sensor cleaning brush and help stop those unwanted critters from falling onto your sensor.

We recommend cleaning the walls of your mirror chamber before every sensor cleaning. It is simple and quick to accomplish.

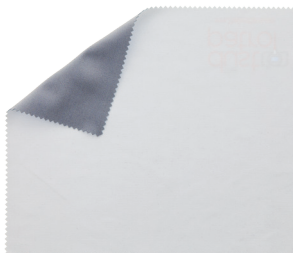
The ChamberSwabs® come packaged in a heavy duty (6 mil) resealable zipper bag for protection and storage while traveling.



SKU	Description	UPC	MSRP
CS-10	Chamber Swab 10 Pack for Dust Prevention	827912052541	\$5.95
CS-50	Chamber Swab 50 Pack for Dust Prevention	014891167087	\$18.95

Microfiber Lens Cloth

Our Microfiber Lens Cloth is made from a high quality polyester and nylon blend. At 15cm x 18cm (5.9" x 7.1"), these are larger than average in size. They are white on one side and (approximately) 18% grey on the other side, which provides a standard reference object for exposure and color balance determination in photography.



SKU	Description	UPC	MSRP
TDP-LC	Micro Fiber Lens Cleaning Cloth Grey/White (15cm x 18cm)	014891167261	\$1.95

Third Party Products

Giottos Rocket-Air Blower

The **Giottos Rocket-Air Blowers** are the highest quality hand blowers on the market. For sensor cleaning, we recommend the AA1900 series which is the largest series.

The Rocket-air blower series are made from nontoxic, natural and environmentally-friendly rubber, resistant to both high and low temperatures and also tear-proof. They are very powerful and easy to use. It has an air valve to prevent it from breathing in dust and blows out a powerful stream of air to blow dust away, making cleaning lenses, cameras and-filters a breeze. Giottos' patented and unique rocket-shaped base design can stand upright and its nozzle can be removed.



Features

- Natural and environmentally-friendly rubber.
- Air inlet valve design prevents air's back flow from the air nozzle.
- Detachable super air stream air nozzle.
- Special design for optional neck strap attachment.
- Giottos' patented tripod base design provides free-standing function, convenient use and storage.
- Rocket-Air blows off dust particles, even those clinging to items from static electricity.

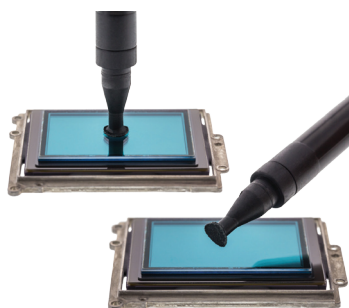
SKU	Description	UPC	MSRP
AA1900	Giottos Rocket Air Blaster Air Blower, Large	4715412009256	\$16.99

SensorKlear®

SensorKlear® by LensPen® has a triangle-shaped pad, impregnated with a unique carbon compound. The SensorKlear® is very efficient at polishing off a sensor after a wet cleaning when too much cleaning fluid was used. We also find it quite handy at spot



SK-2



cleaning. We don't consider this to be a primary sensor cleaning tool, but a great addition to your sensor cleaning kit. The triangle-shaped cleaning pad is great for getting into corners.

SensorKlear® comes in 2 varieties: articulating (SK-2) and non-articulating (SK-1). The articulating head (SK-2) is useful for trying to see if you are cleaning with a magnifying device, while the non-articulating head (SK-1) works effectively on its own. The SensorKlear® SK-1 has a retractable brush on the opposite end of the cleaning head. This brush can be used for dusting off the outside of the camera, but should never be used on the sensor.



SK-1

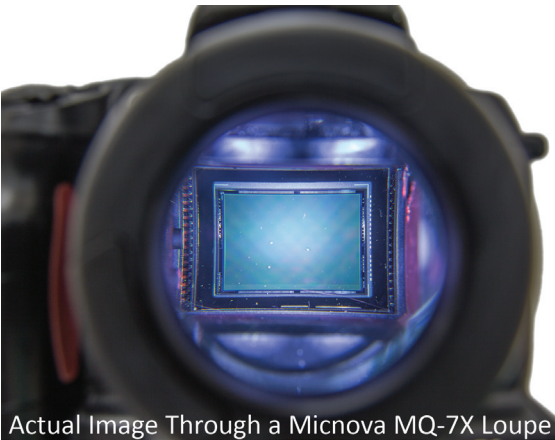
SKU	Description	UPC	MSRP
SK-1	SensorKlear® I By LensPen®	014891167070	\$9.95
SK-2	SensorKlear® II By LensPen®	014891167544	\$13.95

Micnova MQ-7X Sensor Inspection Loupe

The Micnova MQ-7X has been awarded the #1 pick for sensor inspection devices by the pros over at the CleaningDigitalCameras website. This 7X power 6 LED sensor inspection loupe is great, not only for the APS-C sensors, but it is also one of the few on the market that works great with full frame sensors as well. With the six vari-angled super bright LED lights, it helps to make a 3D image of dust particles, just like satellites capture stereoscopic images. Once it is in position over the camera's sensor, it is possible to spot the location of the dust particles, defects or scratches on the sensor, and provides fantastic assistance for sensor cleaning.

Features

- Lightweight and compact
- Saves a lot of time with sensor cleaning
- Powerful 7X optical glass, so you can see the smallest dust particles
- Uses Two CR2032 3V Lithium Batteries
- 6 vari-angled super bright LED lights



SKU	Description	UPC	MSRP
MQ-X7	Micnova Sensor Inspection Loupe 7X.....	4897040882293	\$29.95

Micnova MQ-MB100 Sensor Cleaning Brush

The Micnova MQ-MB100 Sensor Cleaning Brush is a fast and efficient tool for cleaning your sensor. During the daily use of digital cameras, the sensor is inevitably exposed to the atmosphere, especially when changing a lens. As a result, impurities in the air stay on the sensor. To get clear, dust free images, these impurities must be removed by a dusting tool. Quite often a blower isn't enough and you don't really need a wet cleaning. This is where the economical but powerful MQ-MB100 fits in. The bristles are statically charged by spinning around in the air which also dislodges any dust picked up in previous cleanings. In addition, with the 4 super bright LED lights, the operator can see clearly while doing the cleaning.

Features

- 4 bright LEDs
- Travel Friendly
- Uses 2 AAA Batteries (not included)
- Good on all sizes of digital camera sensors.
- One year factory warranty



SKU	Description	UPC	MSRP
MQ-MB100	Micnova Powered Sensor Cleaning Brush w/4 LED	4897040883238	\$29.95

Sensor Cleaning Kits/Combo Packs

SKU	Description	Alpha Swabs	Beta Optical Cleaning Fluid 0.5 oz.	Gamma Optical Cleaning Fluid 0.5 oz.	16mm D-SLR Brush	SensorKlear® SK-1 LenPen®	Micro Fiber Lens Cleaning Cloth	MSRP (USD)
For Cameras Requiring 17mm Swabs								
A17-8K	Alpha 17mm Swabs 8pc Cleaning Kit w/Beta Optical Cleaning Fluid	4	●		●	●	●	\$37.95
A17-8K-F	Alpha 17mm Swabs 8pc Cleaning Kit w/Gamma Optical Cleaning Fluid	4		●	●	●	●	\$31.95
A17-12P	Alpha 17mm Swabs (12pk) w/Beta Optical Cleaning Fluid	12	●				●	\$32.95
A17-12P-F	Alpha 17mm Swabs (12pk) w/Gamma Optical Cleaning Fluid	12		●			●	\$26.95
A17-16K	Alpha 17mm Swabs 16pc Cleaning Kit w/Beta Optical Cleaning Fluid	12	●		●	●	●	\$45.95
A17-16K-F	Alpha 17mm Swabs 16pc Cleaning Kit w/Gamma Optical Cleaning Fluid	12		●	●	●	●	\$39.95

For Cameras Requiring 20mm Swabs								
A20-8K	Alpha 20mm Swabs 8pc Cleaning Kit w/Beta Optical Cleaning Fluid	4	●		●	●	●	\$37.95
A20-8K-F	Alpha 20mm Swabs 8pc Cleaning Kit w/Gamma Optical Cleaning Fluid	4		●	●	●	●	\$31.95
A20-12P	Alpha 20mm Swabs (12pk) w/Beta Optical Cleaning Fluid	12	●				●	\$32.95
A20-12P-F	Alpha 20mm Swabs (12pk) w/Gamma Optical Cleaning Fluid	12		●			●	\$26.95
A20-16K	Alpha 20mm Swabs 16pc Cleaning Kit w/Beta Optical Cleaning Fluid	12	●		●	●	●	\$45.95
A20-16K-F	Alpha 20mm Swabs 16pc Cleaning Kit w/Gamma Optical Cleaning Fluid	12		●	●	●	●	\$39.95

For Cameras Requiring 24mm Swabs								
A24-8K	Alpha 24mm Swabs 8pc Cleaning Kit w/Beta Optical Cleaning Fluid	4	●		●	●	●	\$37.95
A24-8K-F	Alpha 24mm Swabs 8pc Cleaning Kit w/Gamma Optical Cleaning Fluid	4		●	●	●	●	\$31.95
A24-12P	Alpha 24mm Swabs (12pk) w/Beta Optical Cleaning Fluid	12	●				●	\$32.95
A24-12P-F	Alpha 24mm Swabs (12pk) w/Gamma Optical Cleaning Fluid	12		●			●	\$26.95
A24-16K	Alpha 24mm Swabs 16pc Cleaning Kit w/Beta Optical Cleaning Fluid	12	●		●	●	●	\$45.95
A24-16K-F	Alpha 24mm Swabs 16pc Cleaning Kit w/Gamma Optical Cleaning Fluid	12		●	●	●	●	\$39.95

Ultimate Sensor Cleaning Kit

This 25 piece Ultimate Sensor Cleaning Kit was designed for the photographer who demands quality and needs a complete sensor cleaning kit, but doesn't want to pay three arms and four legs for it. The first tool you will need, and the tool you will use the most for sensor cleaning, is a quality blower. We have included the Giottos Rocket Blower, the best quality blower on the market. Although a sensor inspection loupe isn't required for sensor cleaning, it sure makes the process so much faster and less frustrating than having to shoot test images. For this, we have included the Micnova 7X Sensor Inspection Loupe.

When a blower alone isn't enough to remove the dust from your sensor, the next logical step in the sensor cleaning process is to use a dry method. For accomplishing a dry method sensor cleaning we have included three of the best tools; a SensorKlear I Pen, a D-SLR Sensor Brush (no batteries required) and a Micnova MQ-MB100 Sensor Cleaning Brush (batteries included).

90% of the time you will be able to get your sensor cleaned using the dry method tools previously mentioned above. For the other 10% or so, you are going to need a wet method and for this we have included twelve of the very best quality swabs and only swabs made in the USA: the Alpha Premium Sensor Cleaning Swabs by The Dust Patrol. These swabs are sized to fit your sensor and are the safest swabs available. For the wet cleaning solution, we include Beta Optical Cleaning Solution which is the best non-flammable sensor cleaning solution on the market.

To hold all of the above we have included a deluxe zippered custom made carrying case.

Kit Contents:

- 1 - Giottos AA1900 Rocket Blower
- 1 - Micnova 7X Sensor Inspection Loupe
- 12 - Alpha 24mm Premium Sensor Cleaning Swabs
- 1 - 0.5oz bottle Beta Optical Cleaning Fluid
- 1 - D-SLR Sensor Cleaning Brush
- 1 - SensorKlear I Pen
- 1 - Micnova MQ-MB100 Sensor Cleaning Brush
- 2 - AAA Batteries
- 1 - Micro Fiber Lens Cloth
- 3 - Chamber Swabs
- 1 - Deluxe Zippered Case To Carry All Of The Above



SKU	Description	UPC	MSRP
DIGI-U17B	Alpha Ultimate Sensor Cleaning Kit APS-C w/Beta	014891167827	\$144.95
DIGI-U20B	Alpha Ultimate Sensor Cleaning Kit Micro 4/3 w/Beta	014891167834	\$144.95
DIGI-U24B	Alpha Ultimate Sensor Cleaning Kit Full Frame w/Beta	014891167841	\$144.95



Find Your Nearest Retailer By Visiting Our Web Site.
www.TheDustPatrol.com
support@theduspatrol.com • (707) 880-9290

