

RUVIS & ALS Systems





RUVIS Systems

Detect latent fingerprints **without the use of powders or chemicals** by using our Reflected Ultraviolet Imaging System (RUVIS). RUVIS is most effective on smooth, non-porous surfaces (flooring, walls, countertops, tables) and on multi-colored surfaces like magazine covers.

How does this work?

RUVIS uses shortwave UV light. This light is reflected or absorbed by most surfaces but with the residues in fingerprints, the UV light is reflected and scattered. Using a special lens and a UV filter, the system converts the UV wavelength to visible light, revealing the latent print. Since most materials absorb shortwave UV light, the background appears black and only the print is visible, eliminating background patterns and colors.



With RUVIS, you will:

- Find fingerprints and footwear impressions on smooth, non-porous surfaces.
- Enhance the ability to see cyanoacrylate fumed prints without using dye-staining, lasers, or alternate light sources.
- Detect other evidence you may not have otherwise seen

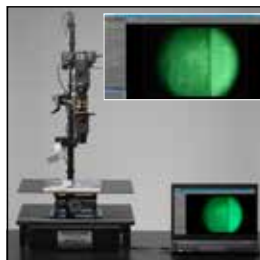
Four options to match your needs:

- KRIMESITE™ Imager
- Scan-n-Find™ Imager
- Cyclops Imaging System
- KRIMESITE™ Capture

Master Krimesite Capture System

Harness the power of RUVIS in the field and in the lab to make your investigations more efficient and find more evidence.

See Page 6 for details!



Training is essential to get the most out of your RUVIS unit. Sirchie offers training for purchase as a service via our KSSTRAIN offering. Contact us for more details.

RUVIS Pro Tips



Please keep in mind that DNA will degrade if DNA is overexposed to shortwave UV light for an extended period of time. The degradation depends on many factors, including:

- The intensity of the light source being used
- The distance that the light source is from the DNA
- The amount of exposure time
- The type of stain or residue

Your agency should develop a standard operating procedure (SOP), such as the one below:

If you're using the Imager to search for latent prints and see what may be biological stains or other sources of trace DNA, we highly recommend you follow the procedure below:

- Turn OFF Shortwave UV light source
- Swab the suspected area for potential trace DNA
- Cover suspected area with UV-blocking material to shield potential trace DNA from shortwave UV light source
- Finish conducting your search for untreated latent fingerprints

KRIMESITE™ Imager Kits

KRIMESITE™ Direct View Kit

From its lightweight body to its superior lens with dual filter slide assembly, the KRIMESITE™ Direct View sets a new standard for crime scene search capability.

The 60mm UV lens is our very finest and doesn't require any add-on lens adapters for close-up or distance viewing. Because of this exceptional lens and filter combination, you can view close-up and distance and photograph without ever changing the mechanical configuration of the device. This kit comes



with everything you need to search a crime scene for latent prints.



The KRIMESITE™ Imager can be configured for use several ways.

No. KSS60

KRIMESITE™ Direct View Kit

KRIMESITE™ Direct View Kit with Black Talon Stabilizer

The Black Talon Stabilizer is designed for investigators to get the correct lens-to-subject distance for photography. Available as a single item or as part of the KRIMESITE™ Imager Direct View Kit.



Features are:

- It has a built-in precision laser-engraved sliding photo evidence scale that is easily positioned into or out of the field-of-view, allowing the photography to be scaled 1-to-1 at a later time.
- Dual 4-watt shortwave UV lamps are attached to the fully adjustable support/swing arms so you can get the angle you need for maximum contrast.
- The talon stabilizer was created for the KRIMESITE™ Imager and it can be used as a rest spot for the Imager when not in use.
- For close-up photography, tripods can become cumbersome. The stabilizer eliminates this with sturdy support on vertical or horizontal surfaces/evidence.
- For longer shots when a standard tripod is needed, the stabilizer can be quickly mounted to the tripod.



No. KSS60TALON

Direct View Kit w/Black Talon Stabilizer

No. BTS100

Black Talon Stabilizer (only)

Scan-n-Find™ Pocket Imager Kit

An affordable alternative to the KRIMESITE™ Imager, the Scan-n-Find Imager simplifies the search for potential latent print evidence that could be easily overlooked.

- With a variable focus wide-angle 25mm UV lens, investigators can scan a large area in a short amount of time. The wide-field, focusable eyepiece assures the elimination of eyestrain.
- Its light-weight body is constructed from a single piece of extruded aluminum which features a User-Facing Control Panel.
- Laser pointer included



Please note: to photograph close-up fine ridge details, you will need the KRIMESITE™ Imager.



No. KSS8900

Scan-n-Find™ Pocket Imager Kit

Cyclops Imaging System

Specifically designed with crime scene search in mind, the Cyclops RUVIS system unit can be hand-held or configured in a head mount assembly for hands-free use or used in a detachable pistol grip. You'll have comfortable viewing with soft rubber eyecups. The system is fashioned from durable injection-molded material and equipped with a 25mm f/2.8 objective lens and two 15mm easily-focused eyepiece assemblies.



Head Mount



Pistol Grip



Hand-Held



No. KSS7900

Cyclops Imaging System

Master RUVIS Kits

KRIMESITE™ Imager Master RUVIS Kit with Cyclops

Designed for agencies that need to work in the field and in the lab, this kit includes both a KRIMESITE™ Imager and a Cyclops unit. It allows investigators to work efficiently alone or as a team to use the Cyclops for scanning the full scene to identify areas of interest and the KRIMESITE™ to capture images of the print with a mounted digital camera (not included). The perfect combination for crime scene technicians, latent print examiners, and for crime laboratories!



Obtain the greatest efficiency at crime scene processing using the KRIMESITE™ and Cyclops Imagers. (Both are contained in the Master RUVIS Kit.)



No. KSS60MRK

Master RUVIS Kit with Cyclops

KRIMESITE™ Master RUVIS Kit with Scan-n-Find

This kit is an alternative to the Master RUVIS kit where the Scan-n-Find takes the place of the Cyclops unit. Some investigators prefer the single eye form and function of the Scan-n-Find™. The kit offers the same efficiency as the other Master RUVIS kit in a different package. This kit features:

- The KRIMESITE™ Imager can be used in the laboratory and for photographing untreated latent fingerprints
- The Scan-n-Find™ is ideal for the crime scene and helps find latent print evidence that is easily overlooked.



No. KSS60SNF

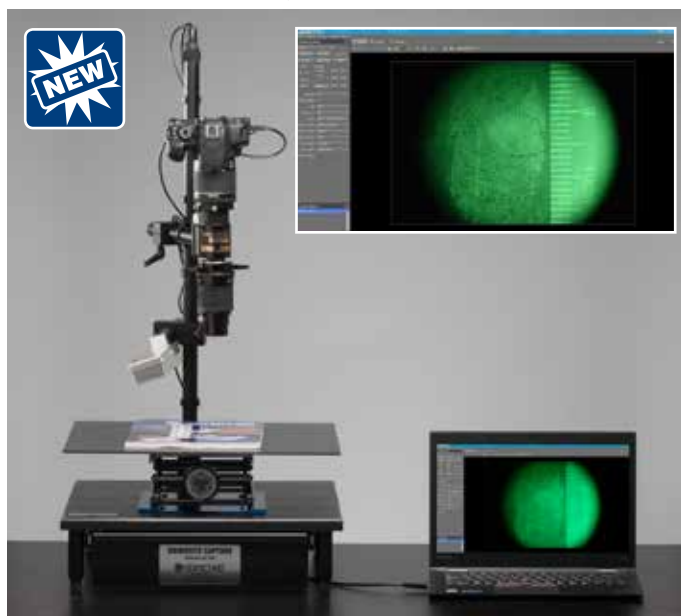
Master RUVIS Kit with Scan-n-Find

RUVIS Systems & Accessories

Master KRIMESITE™ Capture System

Harness the power of RUVIS in the field and in the lab to make your investigations more efficient and find more evidence. Our new Master Krimesite Capture System gives you the flexibility to search for and capture latent fingerprints and footwear at the scene and conduct easy, accurate search and image capture in the lab. Now is the time to add this system to your tool kit.

Already have a RUVIS imager? Our Krimesite Capture Upgrade Kit is the perfect option for you.



Features include:

- The specialized stand holds the Krimesite Imager and a camera while you use the included software and laptop to capture photographs.
- User-friendly software allows you to begin looking for latent prints minutes after set-up.
- An adjustable platform gives you the flexibility to photograph evidence on objects of any shape or a range of sizes. Additionally, the imager and camera are fixed on a rotating arm of the stand so you can take photos of large objects.
- A Shortwave UV light mounted on a flexible arm lets you operate hands-free so you can focus on the image capture.
- Images can be captured in RAW and JPG formats (RAW is recommended for evidence photography).

KSC1000N Master Krimesite Capture Kit

(Nikon) Includes stand and all auxiliaries, KSS1000 RUVIS, Nikon D5500 with 40mm Macro, and IBM Thinkpad with software installed.

KSC1000 Master Krimesite Capture Kit (no camera)

Includes all above EXCEPT Nikon D5500 and 40mm macro.

KSC1000UN Krimesite Capture Upgrade (Nikon)

Includes stand and all auxiliaries, Nikon D5500 with 40mm Macro, and IBM Thinkpad with software loaded. This is for existing Krimesite customers.

KSC1000U Krimesite Capture Upgrade (no camera)

Includes only stand and auxiliaries and IBM Thinkpad with software loaded.

KRIMESITE™ Accessories

Complete your KRIMESITE™ suite with these accessories.

SirchPod Copy Stand

CSI and Lab professionals need to have a steady tripod support for close-up photography to get good photos. The SirchPod has three telescoping legs for ultimate stability. It's easily portable and has fast setup.



No. KSS9200

SirchPod Copy Stand

SirchPod Adjustable Light Support System

When attached to the SirchPod, this light support system (available with or without 254nm shortwave UV lights) gives your Krimesite Imager a complete hands-free support and lighting system.



No. KSS9200UL pictured, Sirchpod and Krimesite Imager sold separately

No. KSS9200UL

SirchPod System w/Mini UV Lights

No. KSS9200U

SirchPod System (only)

Professional Duty Tripod

Free your hands to continue your crime scene search with our Imager. This tripod is an excellent companion to our KRIMESITE™ Kits, and mounts with our UVP600ST and UVP120ST (ALS section).



No. BM6009

Professional Tripod

RUVIS Accessories

Tripod Pistol-Grip Pan Head

Easily make light position adjustments with this pan head. It features a ball and socket joint that locks or unlocks.

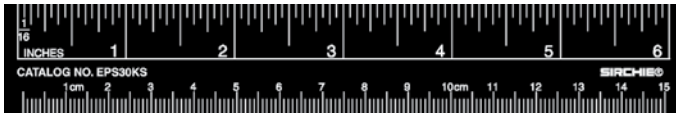


No. KSSPG

Tripod Pistol-Grip Pan Head

Photo Evidence Scales

These scales are printed black with white markings for placement near RUVIS latent fingerprint images for scaled photography. Scales have English and metric measure.



No. EPS30KS

Photo Evidence Scales, 10 each

Arrow Designators

Use arrow designators in conjunction with the KRIMESITE™ Imager's mounted laser pointer for temporarily indicating latent fingerprint locations or selected target areas.



No. KSS684

Arrow Designators, 100 each

UV Protection Products

RUVIS technology uses Shortwave UV light sources and emits harmful radiation. Use of these devices requires proper eye and skin protection. It's important for investigators to use one of the products below or something similar.

UV Protective Spectacles

Top and side shield design provides full protection and the polycarbonate construction is impact-resistant.



No. 797GV

UV Protective Spectacles

UV Protective Goggles

Has a lightweight design with a flexible rubber trim that will fit comfortably over the face, even with prescription glasses.



No. 798GV

UV Protective Goggles

UV Protective Face Shield

Protect the entire face while eliminating "blue haze" interference from long wavelengths.



No. 799UV

UV Protective Face Shield

UV Protective Face Shield with Shroud

Offers complete head and neck UV protection and designed specifically for high-intensity shortwave UV sources.



No. 798GVH

UV Protective Face Shield w/Shroud

Shortwave UV Lights

Forensic Shortwave UV Light Sources

Puissant 30-Watt UV Light Source

This lamp provides high intensity shortwave (254nm) illumination when searching large areas for latent prints with two 15-watt germicidal lamps providing a full 30 watts of shortwave light. It's equipped with a shortwave filter that blocks visible light. A sturdy base provides support when you need to work hands-free. The Puissant lamp may be transported or stored in its carrying case and is available in 110V or 220V.



No. SKSUV30 Filtered Puissant 30-watt UV Light

No. SKSUV40 Unfiltered Puissant 30-watt UV Light

No. SKSUV30B Replacement 15-watt Bulb

6/12-Watt Dual Bulb Shortwave UV Forensic Light Source

This system provides twice the light output for forensic usage and the electronic ballast provides constant high-output. A handle is mounted on the left side of the unit, freeing up your other hand and it can be mounted on a tripod for steady, hands-free use. Each lamp is individually controlled for single or dual bulb use. Built to withstand rugged use, the housing is constructed from vinyl-covered aluminum with acrylic end caps and the steel cover ensures bulb protection at all times. Available for 110V/220V operation.



No. UVP120ST 6/12 watt Shortwave UV Light w/tripod mount

No. SW969B Replacement 6-watt Bulb

6-Watt Shortwave UV Forensic Light

These units are light and compact and built for rugged use, so you can take them anywhere. The light source is a 254nm wavelength with a highly efficient electronic ballast for constant output. Powered by batteries or 110V/220V.



No. UVP600ST 6-watt Shortwave (254nm) Forensic Light

No. SW969B Replacement 6-watt Bulb

RUVIS Companion Laboratory Illuminator

Portable and easily used with a 180 degree swinging head to accommodate many situations, this is an easy-to use shortwave light (254nm) for investigators.



No. SKSUV13 RUVIS Companion Laboratory Illuminator

No. SKSUV13B Replacement 13-watt lamp

Shortwave UV Mini Light Source

Specifically designed to use with the KRIMESITE Imager, investigators can use this light source as a fully portable, battery-operated light source for field and lab use. This is perfect for tight spaces or for close-up examination.



No. CUV100TS Shortwave UV Mini Light Source

No. 6247 4-watt Replacement bulb

Alternate Light Source Kits

megaMAXX ALS System

This system has everything an investigator needs at the scene or in the lab for finding evidence with ALS. The kit holds seven self-contained light sources. Other components are:

- Light Diffuser. A softer light is required for oblique viewing and photography. This diffuser will soften the LED lights
- ForensiTorch UV Light. This light should always be used in preliminary examining and locating evidence
- megaMAXX Tripod. You need both hands free during an investigation to take photos or process an area. This tripod has a flexible extension and can be precisely positioned.



No. MMX300 megaMAXX ALS System

Tactical Max Forensic Light Kit

The Tactical Max provides all the light needed to conduct an on-scene forensic investigation:

white, 365nm UV, and 455nm blue. Each handheld forensic light is made of tough, anodized aluminum and contains an extremely bright 1-Watt LED. This kit was built for field use, contained in a heavy duty nylon case and includes a flexible tripod that can be used as a third hand. Lightweight and portable, yet rugged and durable—there's no reason to not take the Tactical Max Forensic Light Kit everywhere. The Tactical Max Flexible Mini Tripod can be purchased separately and is compatible with our popular MMX300 series forensic lights!



No. TMX200 Tactical Max Forensic Light Kit

No. TMXFT1 Flexible Tripod (only)

Forensic Alternate Light Source

Physical evidence is the backbone of criminal investigations. If the perpetrator has left some form of evidence behind, this tool can help you find it, tie a potential perpetrator to the scene, and help prosecutors file formal charges.



Features include:

- Fully portable for unlimited movement around a crime scene. It can be hand-held or mounted on a tripod and operates by battery.
- Filters included with the light source have a selection of six different wavelengths, covering 365nm to 530nm.
- A high-intensity xenon lamp which is ideal to search for hair, fibers, footwear evidence, and more.



No. FAL3000 Forensic Alternate Light Source

No. FAL203 Replacement High-Intensity Xenon Lamp

No. FAL306 AC Adapter Kit 120V/60Hz

No. FAL306220 AC Adapter Kit 220V/50Hz

No. FAL309 Rechargeable 12V DC BAh Battery Pack

No. FAL309B Replacement 12V DC BAh Battery Set

UV ForensiTorch

If investigators conduct a search in subdued light or broad daylight, the ForensiTorch is ideal for the preliminary examination and location of forensic evidence. It's a single, very high intensity 365nm longwave UV LED and has 50,000 hours of life. **Improved design includes a USB cable for charging the included lithium ion rechargeable battery.**



No. UVFT100A UV ForensiTorch



Contact us today to learn more!
Ask for our Bio-Identity Product Guide



Make the
unknown
known

Bio-Identity solutions from Sirchie are designed to help you know who you're really dealing with, without all the hassles and expense of overcomplicated, overengineered or outdated systems. These solutions help you document and identify individuals through Live Scan 10 Print and Palm Print systems for criminal and applicant records, Iris and Facial Capture, Scars/Tattoos, Signature, and more.



Delivering knowledge & confidence to help you Command Every Scene[®]

Hands-on experiences with innovative tools and practical exercises form the cornerstone of all of our education. When you are a Sirchie student, you have a relationship with us for life. On-site, online, off-site — we package and deliver knowledge where and when you need it. When you're back in the field, we're right by your side.

Contact us today to
discuss your training needs!





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