Reflected Ultraviolet Imaging System

KRIMESITE™ IMAGER

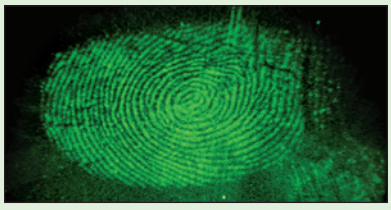
The KRIMESITE Imager is a no-touch technology utilizing Reflected Ultraviolet Imaging (RUVIS) to detect latent fingerprints without the use of powders or chemicals. SIRCHIE® provides various options to allow the user to search, view, and capture latent prints and other evidence not visible to the unaided eye. With the use of shortwave UV (254nm UVC), the KRIMESITE is extremely versatile, allowing usage in various lighting conditions, and is ideal when trying to identify the most evidence with the best available technology.

Customers that are utilizing KRIMESITE™ technology:

Alabama Bureau of Investigations
Arkansas State Police
Atlantic City Police Department, NJ
Baltimore City Police Department, MD
Beverly Hills Police Department, CA
Birmingham Police Department, AL
Charlotte Police Department, NC
Chicago Police Department, IL
Cincinnati Police Department, OH
Cook County Sheriff's Police, IL
Denver Police Department, CO
Des Moines Police Department, IA
Detroit Police Department, MI
Federal Bureau of Investigation
Harrisburg Police Department, PA
Henry C. Lee Institute of Forensic Science, CT
Idaho State Police
Internal Revenue Service Forensic Lab, MD
Iowa Department of Public Safety
Jefferson Parish Sheriff's Office, LA
Kansas Bureau of Investigations
Kentucky State Police
Massachusetts State Police
Miami Police Department, FL
Michigan State Police
Nashville-Metro Police Department, TN
New Jersey State Police
New Mexico State Police
New York Police Department Crime Lab, NY
North Dakota B.C.I.
Oklahoma State Bureau of Investigation
Palm Beach Police Department, FL
Philadelphia Police Department, PA
Phoenix Police Department, AZ
Pittsburgh Police Department, PA
Richmond Police Department, VA
Sacramento County Sheriff's Department, CA
San Jose Police Department, CA
Sandia National Labs, CA
South Carolina Law Enforcement Division
St. Petersburg Police Department, FL
Suffolk County Sheriff's Department, NY
Tennessee Bureau of Investigation
U.S. Air Force O.S.I. Headquarters
U.S. Army Crime Lab
U.S. Customs and Border Patrol Lab, CA
Virginia State Police
Washington D.C. Metro Police
Wyoming State Police Crime Lab

EDUCATION OPPORTUNITY!

We offer a RUVIS certification course conducted at your facility in the utilization of our RUVIS technology and related products.



For more information see the Training Section of this catalog or visit our website at www.sirchie.com

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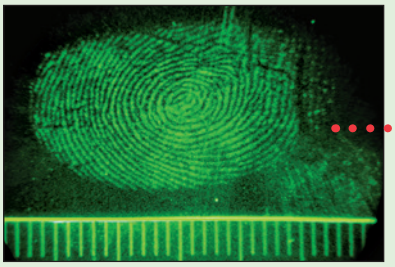
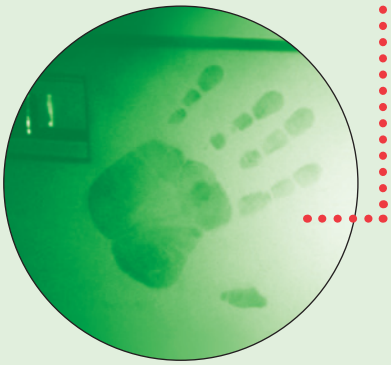
Reflected Ultraviolet Imaging System

Multi-color magazine cover—no visible prints.



Using shortwave UV light and the KRIMESITE™ IMAGER, the background is eliminated and the print is revealed.

Metal filing cabinet photographed in natural light—no visible fingerprints.



Untreated metal filing cabinet photographed with a digital camera connected to the KRIMESITE™ IMAGER.

HOW IT WORKS

Shortwave UV light (254nm UVC) is emitted on to the surface to be examined for latent prints. UV light is either reflected or absorbed by the surface, and in the case of fingerprint residues containing oils and/or amino acids, the UV light is reflected and scattered. This UV light is focused through the lens and UV filter, and then enhanced by the image intensifier, converting it into visible light, and 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.

FAST FILTER SELECTION

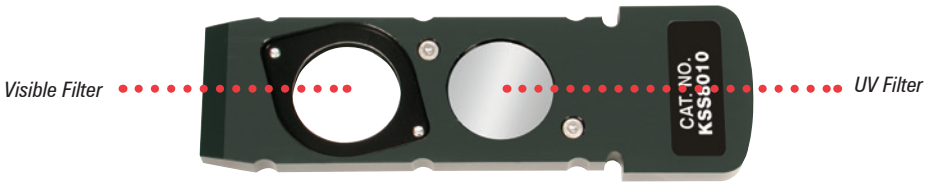
Using an integral filter holder with two positive click-stop positions allows for fast filter selection. Each dual filter slide assembly carries a UV filter and a filter for visible viewing.

USING THE VISIBLE FILTER

Photograph a multicolored surface using a digital camera connected to the KRIMESITE™ IMAGER with the filter in the **Visible** position. In the Visible Mode, the fingerprint remains hidden but the surface is revealed.

USING THE UV FILTER

Photograph the same multicolored surface using a digital camera connected to the KRIMESITE™ IMAGER with the filter in the **UV** position. In the UV Mode, the latent fingerprint is revealed while cancelling out all background colors.



ENHANCEMENT OF CYANOACRYLATE FUMED PRINTS

The KRIMESITE™ IMAGER is capable of enhancing and obtaining exceptional reproduction of fingerprints fumed with cyanoacrylate (superglue) without the use of dye-staining, lasers or alternate light sources. This applies to fumed latent fingerprints on multicolored backgrounds as well.

Photograph of multicolored soda can in natural light—no visible fingerprint.

Cyanoacrylate-fumed fingerprint on the same soft drink can be photographed with a digital camera connected to the KRIMESITE™ IMAGER. No background colors!

Reflected Ultraviolet Imaging System

THE KRIMESITE™ IMAGER DIRECT VIEW KIT

From the redesigned lightweight body, fashioned from a single piece of extruded aluminum, to the superior 60mm 4 element all quartz lens with dual filter slide assembly—the KSS60 sets a new standard for crime scene search capability. The 60mm UV lens is our very finest, which requires no add-on lens adapters for close-up and distance viewing. Because of this exceptional lens and filter combination, close-up, distance viewing, and photography can be accomplished without ever changing the mechanical configuration of the device. The Direct View Kit comes with everything you need to search a crime scene for latent prints on smooth, non-porous surfaces.

THREE USER CONFIGURATIONS WITH THE DIRECT VIEW KIT

1. Hand-Held with Lanyard

2. Pistol Grip

3. Steady Rest Attachment

CATALOG NO.	DESCRIPTION	PRICE
KSS60	*KRIMESITE™ IMAGER* Direct View Kit w/60mm UV Lens	

KSS60 SPECIFICATIONS

KSS100b 60mm UV lens

- Focal Length: 60mm
- Aperture: f/3.5 - f/32
- Lens Construction: 4 elements, all quartz glass
- Spectral Waveband: Min. 230nm
- Geometric Distortion: <0.1% in corners
- Vignetting: < 22% in corners

Body Construction, precision machined:

- Material: Extruded Aluminum, 6061-T6 alloy
- Finish: Black Anodized, Vinyl covered (selected areas)
- Objective Mount: C-mount
- Configurable Steady Rest for safe instrument support during periods of non-use
- Removable contoured foam covered pistol grip
- 6" wrist lanyard, removable
- Eyepiece, w/removable rubber eyecup
  - Adjustable focus
  - 25mm eye relief

Laser Pointer:

- Wavelength: 650 nm
- Aperture Output Power: 2.1 - 3.0 mw
- Operating Voltage: 3.0V DC, internal
- Control: Push-button; Momentary ON/OFF

Battery: Lithium, 3.0V DC, type CR123

Control Panel:

- Toggle Switch with built-in power light indicator
- Visual Indicator: Green LED, Image Intensifier ON
- Battery Access: Threaded Cap, Spring loaded

Image Intensifier Tube:

- Gen II, Double Proximity focused, 17.5mm
- Built-in Over Brightness Protection (Tube automatically limits gain from bright light sources)
- >/=571 Lp/mm typical, with built-in over-brightness protection circuitry
- P22 Phosphor
- S20 Photocathode
- Input Window: Quartz
- Image Inversion: None

KSS60 CONTENTS:

1- KRIMESITE™ IMAGER w/KSS100b 60mm UV Lens
1- KSS9696 Class IIIa Laser Pointer w/batteries
1- KSS8010 Dual Filter Slide Assembly (Luminol/Visible and UV)
1- CR123 Lithium Battery
12- AA Alkaline Batteries
1- KRIMESITE™ IMAGER Steady Rest w/Removable Pistol Grip
1- 58mm Camera Adapter
1- KSS9200 SIRCHPOD® Copy Stand
1- CUV100TS UV Mini Light Source (4-watt 254nm shortwave, battery operated)
1- UVP600ST UV Panther AC/DC Shortwave Light, 254nm
2- 797GV UV Protection Spectacles
1- EPS30KS Photo Evidence Scales (white on black, 10-pk)
1- KSS684 Pkg. Arrow Designators (100 count)
1- Operator's Manual
1- Pelican® 1550 Carrying Case, Custom-fitted, moisture resistant; Dimensions: 21"W x 9"H x 16.5"D (53.3cm x 22.9cm x 41.9cm); Weight: 18.6 lbs. (8.4kg)

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LEADING FEATURES:

- Hassle free rigid support for close-up imaging without the need for a tripod
- Unobstructed one-handed crime scene search capability with 2 integrally mounted, battery operated, 4-watt UV lights (254nm)
- Serves as parking device during periods of non-use
- Lightweight and fully portable
- Easily attaches or unattaches to/from the KSS60 in seconds via the pistol grip w/out tools

BTS100 SPECIFICATIONS:

- Black powder coated steel legs with integral 4 point surface contact
- (2) 4-watt battery operated UV light sources (254nm) each using flexible cables
- Single point quick-connect, black anodized aluminum body mount
- (2) Precision Laser Engraved Sliding Photo Evidence Scales, English and metric
- Dimensions (max. overall): 12.5"H x 12"W x 7.75"D (31.7cm x 30.5cm x 19.7cm)
- Weight: 2.2 lbs. (998g)

KSS60TALON CONTENTS:

1- KSS60 KRIMESITE™ IMAGER w/KSS100b 60mm UV lens; Adjustable Focus Eyepiece w/Rubber eyecup; KSS8010 Dual Filter Slide Assembly (Luminol/ Visible and UV); Gen II Image Intensifier; Laser Pointer; 6" (15.2cm) Wrist Lanyard

1- CR123 Lithium Battery

16- AA Alkaline Batteries

1- KRIMESITE™ IMAGER Steady Rest w/ Removable Pistol Grip

1- BTS100 Black Talon Stabilizer (U.S. Patent No. 7,050,715) w/2 CUV100TS 4-watt battery operated UV Lamps (254nm)

2- Precision Laser Engraved Scales, English and metric

1- UVP600ST UV Panther AC/DC Shortwave Light, 254nm

1- KSS9200 SIRCHPOD® Copy Stand

1- 58mm Camera Adapter

2- 797GV UV Protective Spectacles

1- EPS30KS Photo Scales, 6" (15cm) white on black, 10 pk.

1- KSS684 Pkg. Arrow Designators (100 count)

1- Operator's Manual

1- Carrying Case; Dimensions: 24.5"W x 8.75"H x 19.75"D (62.2cm x 22.2cm x 50.2cm); Weight: 24.7 lbs. (11.2kg)

KRIMESITE™ DIRECT VIEW KIT WITH BLACK TALON STABILIZER

The Black Talon is comprised of a lightweight support structure engineered to provide the correct lens-to-subject distance for viewing and photography. The built-in precision laser-engraved sliding photo evidence scale is easily positioned into or out of the field-of-view, allowing the photograph to be scaled 1-to-1 at a later time, as required. Dual 4-watt shortwave UV lamps (included) are attached to the fully adjustable support/swing arms, providing the necessary angle of incidence required for maximum contrast.

EASY ATTACHMENT TO THE IMAGER

The BTS100 Black Talon Stabilizer has been optimized to easily receive the KRIMESITE™ IMAGER. Attachment is accomplished by removing the pistol grip, properly positioning the Talon, and reattaching the grip to the Imager.

NO TOOLS REQUIRED… SYSTEM SETS UP IN SECONDS

Photographic tripods are necessary when recording evidence at the scene, but when close-up photography is required, tripods are cumbersome and inefficient. The BTS100 eliminates this hassle by providing sturdy support when working with vertical or horizontal surfaces/evidence. Also, when longer shots requiring a standard photo tripod are needed, the entire assembly may be quickly mounted to a tripod. The only disassembly required is to unscrew the stud at the bottom of the pistol grip and attach the tripod mount. Assemble the Imager and the Talon when you arrive at the scene and disassemble when you're ready to leave.

CATALOG NO.	DESCRIPTION	PRICE
KSS60TALON	*KRIMESITE™ IMAGER* Direct View Kit w/Black Talon	
BTS100	Black Talon Stabilizer, only (US Patent No. 7,050,715)	

Reflected Ultraviolet Imaging System

SCAN-N-FIND™ IMAGER... AN AFFORDABLE ALTERNATIVE

The Scan-N-Find™ UV Imaging System simplifies the search for latent evidence that could be easily overlooked. With a variable focus wide-angle 25mm UV lens, it is capable of scanning a large area in a short amount of time. In addition, the wide-field, focusable eyepiece assures the elimination of eyestrain.

The Scan-N-Find Imager also comes with a camera adapter allowing it to be attached to a camera for photographing the general location and orientation of latent prints as seen from a distance. Ultimately, to photograph the close-up fine ridge details of a print, you would need the Krimesite Imager.

The Imager's light-weight body is constructed from a single piece of extruded aluminum which features a User-Facing Control Panel. The unit is powered by a single CR123 Lithium battery. The Laser Pointer, located on the left hand side, is powered by two type L1154 batteries (included).

The KSS8997 uses a high-quality image intensifier tube and the UV filter provides peak UV transmission at 254nm.

CATALOG NO.	DESCRIPTION	PRICE
KSS8900	Scan-N-Find™ Pocket Imager Kit	

SPECIFICATIONS:

Objective Lens:

- PSS100b-25mm quartz objective lens w/254nm filter
- Aperture: f/2.8 fixed
- Focus Range: ~14" to infinity within the 254nm wavelength band

Eyepiece:

- Adjustable, 25mm eye relief w/soft rubber eyecup

Image Intensifier Tube:

- Resolution: >/=571 Lp/mm typical, with built-in over-brightness protection circuitry

Laser Pointer:

- Class IIIa

KSS8900 CONTENTS:

1- KSS8997 Pocket Imager w/PSS100b, 25mm Objective Lens, 254nm Filter, and Laser Pointer
1- CR123 Lithium Battery
12- AA Alkaline Batteries
1- UVP600ST UV Panther AC/DC Shortwave Light, 254nm
1- 58mm Camera Adapter
1- CUV100TS UV Mini Light Source (4-watt, 254nm shortwave, battery operated)
2- 797GV UV Protective Spectacles
1- KSS684 Pkg. Arrow Designators, 100-pk
1- CR123 Lithium Battery
1- Operator's Manual
1- Pelican® 1550 Carrying Case, Custom-fitted, moisture resistant; Dimensions: 21"W x 9"H x 16.5"D (53.3cm x 22.9cm x 41.9cm); Weight: 12.05 lbs. (5.5kg)

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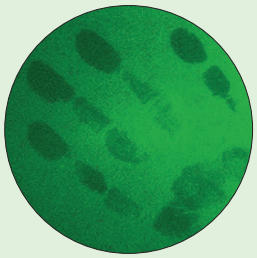
An arrow designator is used to tag the location of untreated latent prints located on the filing cabinet with the CYCLOPS.



Untreated latent print on a metal filing cabinet as it may appear through the CYCLOPS Imager.

KSS7997 SPECIFICATIONS:

Objective Lens:

- PSS100b 25mm quartz objective lens (wide-angle) w/integral 254nm filter
- Aperture: f/2.8 fixed
- Focus Range: ~14" to infinity within the 254nm wavelength band

Eyepiece (2x):

- Diopter Adjustment Range: +2 to –6
- Eye Relief: –15mm
- Interpupillary Adjustment: 55mm-70mm

Image Intensifier Tube:

- 18mm micro channel wafer w/min. useful photocathode of 18mm dia., >/= 40 Lp/mm typical, with built-in over-brightness protection circuitry

Pistol Grip (soft foam, detachable)

Batteries: 2 AA Alkaline Batteries (included)

Head Mount Assembly (Adjustable)

Laser Pointer, Class IIIa w/batteries

Dimensions (with pistol grip): 6.25"W x 8"H x 6.125"D (15.9cm x 20.3cm x 15.5cm)

Weight: 1 lb. 5 oz. (595.34g) w/batteries

KSS7900 CONTENTS:

1- KSS7997 CYCLOPS w/PSS100b 25mm Quartz Objective Lens w/integral 254nm filter
1- Pistol Grip, detachable
1- Head Mount Assembly w/carrying pouch
10- AA Alkaline Batteries
1- KSS9696 Class IIIa Laser Pointer w/batteries
1- CUV100TS UV Mini Light Source (4-watt 254nm shortwave, battery operated)
1- UVP600ST UV Panther AC/DC Shortwave Light, 254nm
2- 797GV UV Protective Spectacles
1- Operator's Manual
1- Pelican® 1550 Carrying Case, Custom-fitted, moisture resistant; Dimensions: 21"W x 9"H x 16.5"D (53.3cm x 22.9cm x 41.9cm); Weight: 14.55 lbs. (6.6kg)

CYCLOPS IMAGING SYSTEM

The CYCLOPS is a true hands-free RUVIS Imaging System specifically designed with the crime scene search in mind. The housing of the CYCLOPS Imaging System is fashioned from durable injection-molded material. It is equipped with a 25mm f/2.8 objective lens and two 15mm easily-focused eyepiece assemblies. Comfortable viewing is afforded by soft rubber eyecups. The unit can be hand-held with or without the detachable pistol grip or configured with the head mount assembly for hands-free use.

THREE CONFIGURATIONS OF THE CYCLOPS IMAGER

Head Mount

Pistol Grip

Hand-Held

CATALOG NO.	DESCRIPTION	PRICE
KSS7900	CYCLOPS Imaging System w/25mm UV Lens	

Reflected Ultraviolet Imaging System

THE KRIMESITE™ IMAGER MASTER RUVIS KIT

This Master RUVIS Kit has been specifically designed for those agencies requiring versatility in both the field and the laboratory. The KSS60 KRIMESITE™ IMAGER is extraordinary for use in the laboratory and for photographing untreated latent fingerprints (when a camera is connected). The KSS7900 CYCLOPS offers exceptional search capabilities. These two kits combined offer unsurpassed benefits and features for the crime scene technician, the latent print examiner and the crime laboratory. In addition, with the KSS60MRK, one person can be scanning the area using the CYCLOPS Imager while the other person conducts close-up examination and photography with the KRIMESITE™ IMAGER. The perfect combination!

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

CATALOG NO.	DESCRIPTION	PRICE
KSS60MRK	KRIMESITE™ IMAGER Master RUVIS Kit	

KSS60MRK CONTENTS:

CYCLOPS Kit Consisting of:

- 1- KSS7997 CYCLOPS w/PSS100b 25mm Quartz Objective Lens w/integral 254nm filter
- 1- Pistol Grip, detachable
- 1- Head Mount Assembly w/carrying pouch
- 2- AA Alkaline Batteries
- 1- KSS9696 Class IIIa Laser Pointer w/batteries
- 1- Operator's Manual

KSS60 Consisting of:

- 1- KRIMESITE™ IMAGER w/KSS100b 60mm UV Lens
- 1- KSS9696 Class IIIa Laser Pointer w/batteries
- 1- KSS8010 Dual Filter Slide Assembly (Luminol/Visible and UV)
- 1- CR123 Lithium Battery
- 12- AA Alkaline Batteries
- 1- KRIMESITE™ IMAGER Steady Rest w/Removable Pistol Grip
- 1- 58mm Camera Adapter
- 1- KSS9200 SIRCHPOD® Copy Stand
- 1- CUV100TS UV Mini Light Source (4-watt 254nm shortwave, battery operated)
- 1- UVP600ST UV Panther AC/DC Shortwave Light, 254nm
- 2- 797GV UV Protective Spectacles
- 1- EPS30KS Photo Scales, 6" (15cm), white on black, 10-pk.
- 1- KSS684 Pkg. Arrow Designators (100 count)
- 1- Operator's Manual
- 1- Pelican® 1550 Carrying Case; Dimensions: 24.5"W x 8.75"H x 19.75"D (62.2cm x 22.2cm x 50.2cm); Weight: 25.95 lbs. (11.8kg)

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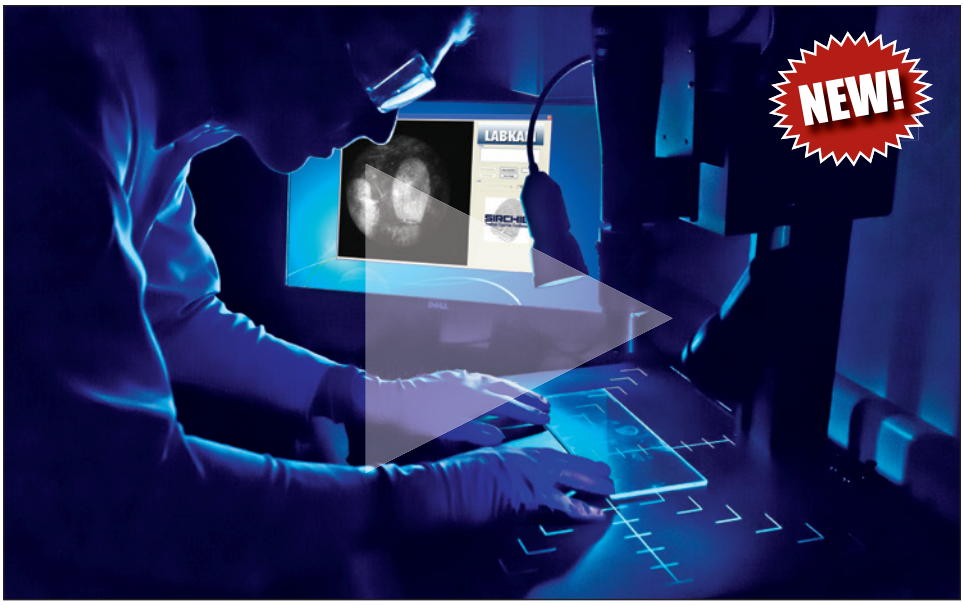
LABKAM® Laboratory RUVIS Capture System

LABKAM®

Utilize the power of RUVIS (Reflected Ultraviolet Imaging System) technology in the laboratory with ease. The LABKAM integrates the same technology of the Krimesite Imager into a digital video system that allows the user to search evidence and capture latent print images of superior quality. The integrated video system features a digital video feed in a true grayscale, and allows images to be captured in a variety of formats, including uncompressed files RAW, TIFF, and JPG. The capture software also includes a note field for each image that can be saved as a text file, enabling case notes to be added for each save. The software is user friendly, allowing the operator to begin looking for latent prints minutes after set-up. In addition, the software is completely portable, so it can be loaded on other PCs and allows anyone to be a viewer of the captured images.

LABKAM features two 3 Watt narrow band UV bulbs mounted on flexible arms, so the user can get all of the correct orientations without having to hold anything. The unit features a tightly controllable but easy to use column mechanism that can be changed in seconds with one hand, and allows for easily switching from flat objects to 3D objects. Overall, the LABKAM delivers the power of RUVIS in a perfect user friendly laboratory package, creating another tool for collecting the most evidence possible.



As with all RUVIS Systems, the LabKam utilizes shortwave UV lighting. Eye and skin protection must be worn.

LABKAM® KIT CONTENTS:

1- KRIMESITE™ Imager w/KSS100b 60mm, quartz UV Lens
1- 3296 x 2472 PPI Camera with 4/3" sensor
1- KSS8010 Dual Filter Slide Assembly (Visible and UV)
1- Desktop Personal Computer, Keyboard, Mouse
1- 23" monitor
1- Power Strip
1- Ethernet Cable
2- 3-watt narrow band 254nm Lights
1- Auxilliary mountable 6W shortwave UV light
2- 797GV UV Protection Spectacles
1- EPS30KS Photo Evidence Scales (white on black, 10-pk)
1- Operator's Manual

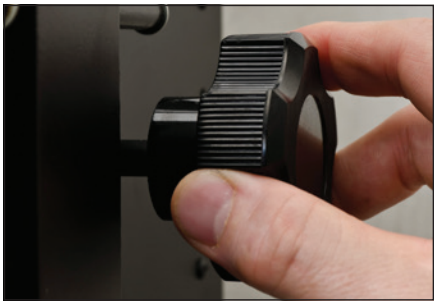
UNIT SPECIFICATIONS:

- **Base:** 20.188" wide x 19.125" deep with matte black powder coated steel
- **Column:** 36" tall with steel spring and rotational control
- Weight: 42.5 lbs. (19.3 Kg)

DESKTOP COMPUTER SPECIFICATIONS:

- Windows 7 32-bit, or Windows 7 64-bit
- Intel Core i3 3.3 Ghz processor
- 4 gigabyte (GB) of system memory
- 500 GB SATA Hard Drive
- DVD/CD-ROM drive
- 23" monitor with 1920 x 1080 resolution
- Dedicated GigaNET Base T Network Interface Card

Minutely adjust focus and set f-stop for precise exposure with Labkam's high quality optics.

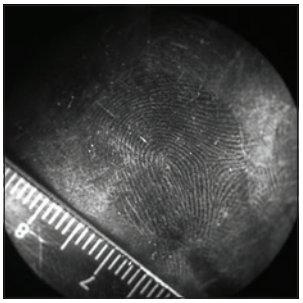


Precisely increase or decrease the lens-to-subject distance using the column height adjustment wheel.

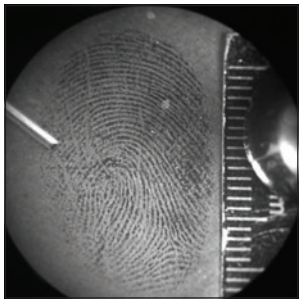
CATALOG NO.	DESCRIPTION	PRICE
LABKAM	Laboratory Video-Based RUVIS Capture System (1000 PPI)	

LABKAM® CAPTURE RESULTS

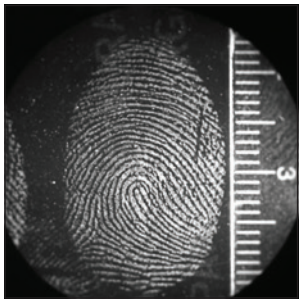
Untreated Prints:



Untreated print on aluminum soda can.

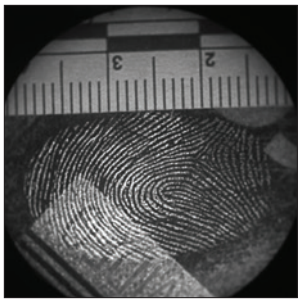


Untreated print on black painted metal.

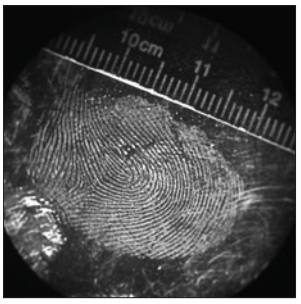


Untreated print on glossy magazine cover.

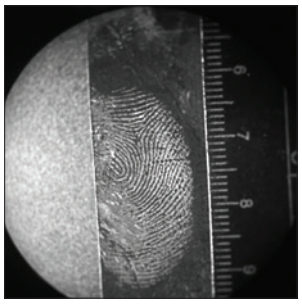
Cyanoacrylate-Fumed Prints:



Cyanoacrylate-fumed print on cardboard.



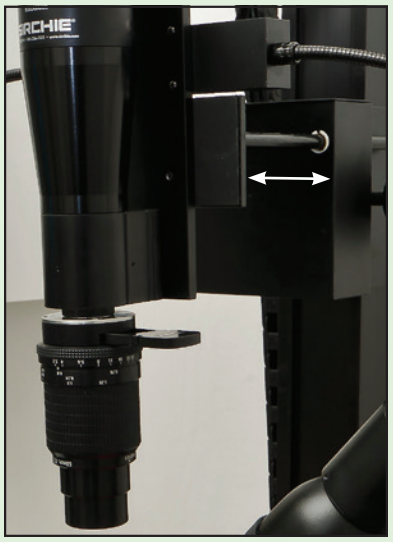
Cyanoacrylate-fumed print on foil candy wrapper.



Cyanoacrylate-fumed print on heavy, glossy paper.

The LABKAM System comes complete with a desktop PC with Capture Software.

Larger objects of interest can be scanned for prints by both raising the RUVIS imager and extending it's distance from the Labkam's copy stand column.



Close-up showing movement of RUVIS imager toward and away from LABKAM copy stand column.

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Forensic Shortwave UV Light Sources

SKSUV30/SKSUV40 CONTENTS:

1- Puissant UV Light Source
2- 797GV Protective Spectacles
1- Durable Carrying Case, Dimensions: 29"W x 17"H x 12"D (73.7cm x 43.2cm x 30.5cm); Weight: 14.51 lbs. (6.6kg)

SKSUV30/SKSUV40 SPECIFICATIONS:

- Unit Size: 4.5"W x 19.75"H x 4"D (11.4cm x 50.2cm x 10.2cm)
- Unit Base: 7.625"W x 12"H x 8.625"D (19.4cm x 30.5cm x 21.9cm)
- UV Lamps: (2) 15-watt, 254nm
- Power Requirements: 110V or 220V AC, fused

PUISSANT 30-WATT UV LIGHT SOURCE

The SKSUV30 lamp provides high intensity shortwave (254nm) illumination when searching large areas for latent prints. Two 15-watt germicidal lamps provide a full 30 watts of shortwave light. It is equipped with a shortwave filter that blocks visible light, while the SKSUV40 is supplied without the filter. A sturdy base provides self-support when hands-free operation is needed. The Puissants feature dual voltage capability for either 110V or 220V AC operation. The light source may be transported or stored in its carrying case.

CATALOG NO.	DESCRIPTION	PRICE
SKSUV30	Puissant 30-watt UV Light w/filter & Carrying Case	
SKSUV40	Puissant 30-watt UV Light (unfiltered) & Carrying Case	
SKSUV30B	Replacement Bulb, 15-watt (254nm)	

SKSUV13 SPECIFICATIONS:

- Construction: Rugged ABS plastic
- UV Lamp: 13-watt, 254nm, germicidal
- Swinging Lamp Head: 180 degrees
- * Internal ON/OFF Switch: lamp illuminates when head is raised
- Power: 110V AC
- Dimensions: 10.5"H x 3.25"D x 3.4"W (27.67cm x 8.25cm x 8.63cm)
- Weight: 2.3 lbs. (1.04kg)

RUVIS COMPANION LABORATORY ILLUMINATOR

Portability and utility are the most outstanding features of the Companion Laboratory Illuminator. This 110V AC UV illuminator uses a 13-watt 254nm germicidal lamp. The illuminator automatically turns on by lifting the head. It is capable of swinging 180°, easily accommodating a variety of usage situations.

The lamp head lifts away from the housing allowing for up to a 180° swing

CATALOG NO.	DESCRIPTION	PRICE
SKSUV13	RUVIS Companion Laboratory Illuminator, 110V	
SKSUV13B	Replacement Lamp, 13-watt (254nm)	

CUV100TS SPECIFICATIONS:

- Dimensions: 6.25"H x 2"W x .75"D (15.9cm x 5.1cm x 1.9cm)
- Weight w/batteries: 8.9 oz. (252g)
- Construction: Rugged ABS plastic
- Shield Guard: Brushed Nickeloid
- Peak Wavelength: 254nm
- Bulb: Shortwave UV-C germicidal type (G4T5), 4-watt
- Power Switch: Slide ON/OFF
- Power Source: 4 "AA" Alkaline Batteries, 1.5 volts (included)

SHORTWAVE UV MINI LIGHT SOURCE

Specifically designed for use with the *KRIMESITE™ IMAGER,* the CUV100TS also serves as a fully portable, battery-operated shortwave UV light source for field and lab use. Powered by four AA alkaline batteries (included), it is equipped with one 4-watt germicidal bulb protected by a brushed nickeloid shield. This light works great in tight spaces or for close-up examination.

CATALOG NO.	DESCRIPTION	PRICE
CUV100TS	Shortwave UV Mini Light Source	
6247	Replacement Bulb, 4-watt (254nm)	

UV PROTECTIVE SPECTACLES

Top and side shield design provides full protection from harmful shortwave UV radiation emitted from UV and mercury lamps, and eliminates “blue haze” from longwave UV. Polycarbonate construction and impact-resistant.

UV PROTECTIVE GOGGLES

Constructed of specially formulated plastic which blocks UV transmission over all UV wavelengths and provides optimum contrast in viewing and lessened eye fatigue. A lightweight design with flexible rubber trim fits comfortably on the face—even over prescription glasses.

CATALOG NO.	DESCRIPTION	PRICE
797GV	UV Protective Spectacles	
798GV	UV Protective Goggles	

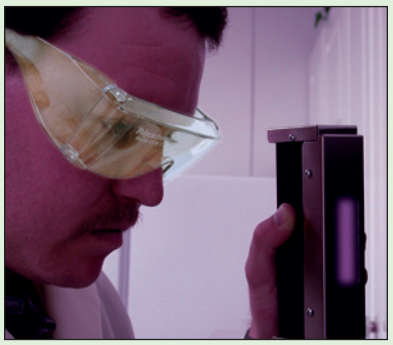
UV PROTECTIVE FACE SHIELD

Specially designed to protect the entire face from hazardous shortwave UV light while completely eliminating “blue haze” interference normally associated with long wavelengths. Dimensions: 8.25"H x 17" dia. (20.9cm x 43.2cm).

UV PROTECTIVE FACE SHIELD WITH SHROUD

This specially designed shield offers 100% head and neck UV protection. The face shield places an impenetrable barrier between the wearer and the UV source. The dense cotton weave shroud completes the barrier and is quickly removed or attached with Velcro®. The face shield is fashioned from tough, impact-resistant polycarbonate material and features a sturdy, adjustable head mount with flip-up feature. The 798GVH was specifically designed for use with high-intensity shortwave UV sources such as the SKSUV30 lamp.

CATALOG NO.	DESCRIPTION	PRICE
799UV	UV Protective Face Shield	
798GVH	UV Protective Face Shield w/Shroud	



CAUTION:

The light sources used with RUVIS technology emit shortwave (UV) radiation. Use of these devices requires proper eye and skin protection as afforded by the UV Protection Products shown on this page.

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KRIMESITE™ Accessories

SIRCHPOD® COPY STAND

This provides a steady tripod support for close-up viewing or photography. Easy portability and fast setup at the crime scene—quickly disassembles for compact storage. It is comprised of 3 telescoping legs mounted to a base with an adjustable camera head mount that tilts a full 180°.

CATALOG NO.	DESCRIPTION	PRICE
KSS9200	SIRCHPOD® Copy Stand	

SIRCHPOD® ADJUSTABLE LIGHT SUPPORT SYSTEM

The KSS9200 SIRCHPOD® has proven to be a valuable tool in photo applications. Designed primarily for use with the KRIMESITE™ IMAGER, it facilitates close-up evidence examination and photography. However, separate light sources were necessary. The Adjustable Light Support System satisfies this need. It can be easily attached to the KSS9200 without the need of tools.

With the addition of the Adjustable Light Support System, your SIRCHPOD® becomes a complete, self-contained photo lighting system as shown in the left margin. The KSS9200UL includes two CUV100TS UV Mini Light Sources (254nm)—the KSS9200U comes without lights.

No. KSS9200 SIRCHPOD® shown above with KSS9200UL attached in use with KSS60 Imager (KSS60 and KSS9200UL sold separately).

CATALOG NO.	DESCRIPTION	PRICE
KSS9200UL	SIRCHPOD® Adjustable Light Support System with two CUV100TS Mini UV Light Sources (254nm)	
KSS9200U	SIRCHPOD® Adjustable Light Support System (only)	

No. BM6009 Professional Duty Tripod

PROFESSIONAL DUTY TRIPOD

This Professional Duty Tripod is an excellent companion to any of our KRIMESITE™ Kits. Use this tripod to mount our UVP600ST or UVP120ST Shortwave UV Lights (*see Alternate Light Sources*)—freeing your hands and allowing you to continue your search of the crime scene with the Imager.

CATALOG NO.	DESCRIPTION	PRICE
BM6009	Professional Duty Tripod	

No. KSSPG used to tripod-mount a Shortwave UV Light source.

TRIPOD PISTOL-GRIP PAN HEAD

This Pistol-Grip Pan Head features a unique ball and socket joint that locks and unlocks using a trigger switch. Mount any light equipped for tripod-mounting to this pan head and make position adjustments on-the-fly.

CATALOG NO.	DESCRIPTION	PRICE
KSSPG	Tripod Pistol-Grip Pan Head	

RELAY LENS ADAPTER

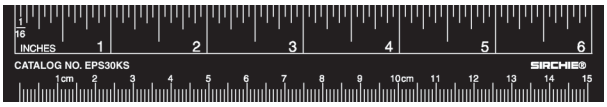
This adapter is comprised of 3 lenses contained in a precision-machined aluminum housing. It is designed to optically couple a digital or film camera to the KRIMESITE™ IMAGER for optimum photographic capabilities.

CATALOG NO.	DESCRIPTION	PRICE
KSSRL01	Relay Lens Adapter	

KSSRL01

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.



CATALOG NO.	DESCRIPTION	PRICE
EPS30KS	Six Inch (15 cm) Photo Evidence Scales, 10 each	

ARROW DESIGNATORS

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

CATALOG NO.	DESCRIPTION	PRICE
KSS684	Arrow Designators, 100 each	

KSS684

KSSDIG DIGITAL CAMERA KIT

The high-resolution digital camera in this kit offers the capability to photograph the crime scene and record latent evidence directly through the KRIMESITE™ IMAGER. The included adapter allows for quick and easy attachment to the Imager within a matter of seconds and the printer connects directly to the camera for quick full color 4" x 6" (10.2cm x 15.2cm) printouts at the scene. Also included in this kit is the 30-watt shortwave UV Puissant Light.

CATALOG NO.	DESCRIPTION	PRICE
KSSDIG	Digital Camera Kit	

KSSDIG CONTENTS:

- 1- KSS7996DC Digital Camera
- 1- KSSAG10 Digital Camera Adapter
- 1- KSS2015 Digital Color Printer
- 1- KSS2016 Pkg. Printer Paper plus 1 ink ribbon
- 1- SKSUV30 Puissant UV Light
- 1- 58mm Camera Adapter
- 1- Conversion Lens Adapter
- 2- 797GV UV Protection Spectacles
- 1- EPS30KS Photo Evidence Scales, 6" (15.2cm), white on black, 10-pk
- 1- Carrying Case, Custom-fitted, moisture resistant; Dimensions: 28"W x 17"H x 10.5"D (71.1cm x 43.2cm x 26.7cm); Weight: 20 lbs. (9.1kg)

Technical Information and Training

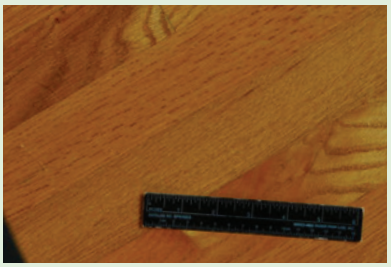
Latent fingerprint residues have been found to contain adequate amounts of DNA to provide a match to the suspect!

Procedure:

If you are using the Imager searching for latents and visualize what may be biological stains or other sources which may contain trace DNA, we highly recommend you follow the procedure indicated below.

1. *Turn OFF shortwave UV light source.*
2. *Swab the suspected area for potential trace DNA.*
3. *Cover suspect area with UV-blocking material to shield potential trace DNA from shortwave UV light source.*
4. *Finish conducting your search of untreated latent fingerprints.*

RUVIS imaging systems can also be used for locating and recording latent footwear impressions at the crime scene.



Section of hardwood flooring photographed under normal lighting conditions.

Same section of hardwood flooring photographed using Shortwave UV light and the Krimesite™ Imager.

UNIDENTIFIABLE FINGERPRINTS MAY STILL CONTAIN TRACE DNA

Smudges and smears are commonplace at the crime scene and are often passed over by evidence technicians due to a lack of identifiable ridge detail. However, these deposits and residues may still be useful if they contain the perpetrator's DNA profile. In some cases, latent fingerprint residues have been found to contain adequate amounts of DNA to provide a match to the suspect. The problem is that you must first locate the smudges before they can be tested. The KRIMESITE™ IMAGER is able to locate untreated latent fingerprints—identifiable or not—on many smooth, non-porous surfaces. It's up to the technician to recognize and collect them. In short, due to the advances in DNA Technology, what used to be an unidentifiable smudge left at the crime scene could now become invaluable evidence.

BEWARE OF THE EFFECTS OF SHORTWAVE UV LIGHT ON DNA

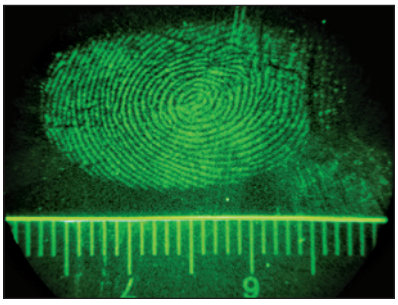
Case studies have shown that degradation of DNA will begin to occur if the DNA is overexposed to shortwave UV light for an extended period of time. Of course, the amount of degradation depends on many factors, such as:

- 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.

Many agencies have developed standard operating procedures (SOP's) that address this scenario, such as that listed at left.

KRIMESITE™ IMAGER TRAINING

This RUVIS Certification Training Course, conducted at your facility, is a full day of hands-on, classroom style training that covers a broad range of topics relating to the KRIMESITE™ IMAGER and related accessories. This extremely thorough course is applicable to all RUVIS Systems.



Both a practical and written exam will be given at the end of the training day. Upon successful completion of this course, SIRCHIE® will send each attendee a printed certificate of training. Course Fee includes all of instructor's travel related expenses.

Training Course Topics:
Overview of RUVIS Technology; Crime Scene/Laboratory Use; Footwear Impression Techniques; Proper UV Safety and DNA Protection; RUVIS Search Techniques; Digital Photography; Assembly, Care and Cleaning of Equipment.

CATALOG NO.	DESCRIPTION	PRICE
KSSTRAIN	8-Hour On-Site Training Course (domestic agencies only)	