Robyn Forsyth
Buyer
City of Denton Materials Management
901 B Texas St
Denton TX 76209
W# 940-349-7101

Date: 22 June 2017

Quote#: WHIR-03212017-90
Delivery: 90-120 Days ARO
Payment Terms: Net 30 days, Upon Approved Credit
Validity: 30 days, Terms and conditions attached
F.O.B. Edison NJ

QUOTATION

Item	Part Number	Description	Unit Price	Qty	Extended
1	UIS	Laboratory Universal Imaging System; 16 Megapixel Full Spectrum Imaging Camera package for Fingerprint work.	$55,780.00	1	$55,780.00

Digital Imaging System providing Image Capture, Image Enhancement and Image Comparison.

Full Spectrum imaging capability in the Shortwave UV (RUVIS), Longwave UV, Visible, and Infrared.

Includes both Optical and Digital Enhancement with High Resolution, High Dynamic range image capture.

A Complete system including 16MP CCD Camera, Image Enhancement/Comparison Software Suite, and Computer.

Included Hardware:
- UIS Camera: 16MP, 4904 x 3280 Full Spectrum Camera, with ability to capture from 250-1100nm, 78mm quartz lens with 52mm filter mount.
- Filters: Various Band Pass and Long Pass filters. BP: 254nm, 365nm, 415nm, 450nm, 500nm, 515nm, 550nm, 570nm, 590nm, 600nm, LP: 530nm, 550nm, 570nm, 590nm, 610nm, 630nm, 665nm, 695nm, 715nm, 780nm, 830nm, 850nm, 1000nm.
- All filters include specialized quick release attachment.
- PC Set-up*: All in One Computer, Intel i7- 3.4GHz Processor, 8Gb RAM, 2Tb HDD, and Blu-Ray Recordable, 27" LCD Monitor, Scanner and Laser Printer.
- Accessories: Copy Stand with column and 18" x 20" base, Arm and Clamp system, 254nm Lamp, 365nm Lamp.

Included Software:
- ImaQuest® Fingerprint Enhancement and Comparison Software featuring; Fast Fourier Transform (FFT), Background Subtraction, Color Foreground Subtraction, Stitching, Brightness & Contrast, Tracking History, Compressed Storage, Minutiae Extraction, Side-By-Side Comparison Menu, Charting and Documentation creation.
- WSQ Forensic Compression Module integrated in ImaQuest (FBI 12:1 certified compression, user adjusted other compression rates available) for storage/backup and compressed images email

transfer (WSQ includes small and large preview of images and converts TIFF, BMP to/from WSQ images).
- JQuest Capture software specifically designed for UIS camera providing quick, user friendly, user defined presets for: Screening, Focusing, and Capturing high resolution images.
- CSCOPE Software

1	CS-16-500-15F	CrimeScope CS-16-500W Forensic Light Source. Laboratory Unit – 15 tiltable wavelengths + IR port.	INCLUDED	1	INCLUDED
		500W Xenon lamp with 1000+ hour lifetime. The CrimeScope is offered with 16 wavelengths: UV 300-400nm, 415nm, 445nm, 455nm, 475nm, 495nm, CSS (Crime Scene Search shortpass filter SP540nm), 515nm, 535nm, 555nm, SP575nm, 600nm, 630nm, 670nm, white light and infrared output. Delivered with complete set of accessories: - 10mm dia. dual armored liquid light guide, - Push-button remote control integrated at working end of light guide, - 5 pairs of goggles (UV, YW, 2OR, RD), - 1 set of 62mm dia camera filters: yellow, orange, dark orange, and red - 1 flexible arm and 2 rugged clamps, - Manual, - Rugged carrying case with wheels and handle.			
2	TRAINING	1 DAY ON-SITE TRAINING AND INSTALLATION WITHIN 4-5 WEEKS AFTER DELIVERY.(a $1,995.00 value)	INCLUDED	1	INCLUDED

Subtotal	$55,780.00
Shipping, Packing & Handling	$625.00
TOTAL	**$56,405.00**

Tax Exempt Status:
Please state clearly on your order if your agency is tax exempt and supply a valid copy of your tax exemption certificate.
A delay in sending a valid tax exempt certificate can prevent proper processing of your order and may delay delivery.

NOTE: * PC Specifications are only a guide; system shipped will meet or exceed these minimum specifications

TRAINING – Included as listed in quote above.

WARRANTY - All Forensic Light Sources come with a complete One Year Warranty on ALL parts and labor.

_____*via e-mail*_____
Walter Hiller
Forensic Instruments Specialist
SPEX Forensics Division of HORIBA Instruments Incorporated

Please reference this quotation number and fax all purchase orders to the attention of Maryann Ingenito, Forensics Sales Coordinator at Fax # 732-623-8273

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Universal Imaging System - UIS

<u>SOLE SOURCE CERTIFICATION</u>:

This is to certify that HII/SPEX Forensics is the only company which manufactures and sells a digital imaging system with the following salient specifications which are critical for fingerprint capture, enhancement, identification, and for document examination:

- The UIS is the only instrument which uses a 16MegaPixel Full Frame, Dual Channel CCD camera with a spectral range from 200nm to 1100nm and 4x binning capability. This camera is called the SceneScope RUVIS UHD.

- The SceneScope RUVIS UHD is designed to accurately capture latent prints for AFIS and IAFIS submissions, with its resolution of 4904 x 3280 pixels.

- The SceneScope RUVIS UHD includes 78mm optical lens for photographing latent prints; Bandpass filters at 254nm and 365nm mounted with a specialized quick release attachment.

- The UIS is the only system which includes ImaQuest and IdentQuest Image Enhancement and Documentation programs.

- The ImaQuest Fingerprint Enhancement program comes with many features including these unique enhancement capabilities:

- **FFT – Fast Fourier Transform: with live display while Cutting and/or Boosting areas**
- **Image Subtraction: with live view of results, the ability to enhance prints on multi colored and patterned surfaces.**
- **Calibration: Images can be calibrated based on known image size, using a rule or fingerprint ridge spacing.**
- **Filters: Gauss, Equalization, Sharpen, Low pass, Statistical Scaling, Custom**
- **Tracking: An encrypted log which automatically documents each enhancement completed on an image, noting the enhancement, time/date and user completing each step. This file is printable and also allows for step by step re-enhancement of an image.**

- The IdentQuest Image Documentation program allows the users to create courtroom ready document, comparing any two images, using these unique features:

- **Minutiae Marking: Two images can be placed side by side and the program will automatically extract minutiae points for comparison purposes. The user as the ability to accept, reject or add place points.**
- **Auto Charting: One step function to automatically tag each and every selected point. Each tag as the ability to be alphanumeric for charting purposes.**

- The UIS image storing formats include: BMP, JPEG, TIFF, PCX, TGA, GIF, IQD, TRC (History Tracking Format), WSQ (FBI Certified 12:1), and Adjustable Compression ratio (1:1 – 20:1) with live image preview.

- The UIS is a fully functioning Reflective Ultraviolet Imaging System (RUVIS) which has the ability to image untreated latent fingerprints on smooth non-porous surfaces. RUVIS can be effective over a wider range of surfaces when the latent prints are fumed with cyanoacrylate (superglue)

-The UIS is the only system that will switch wavelengths CrimeScope wavelengths via USB interface

APPLICATIONS:
- Fingerprint detection, capture, enhancement, identification, documentation and preservation (including blood prints, ninhydrin prints)

Jon Goldey
Forensic Instrument Specialist
HORIBA Instruments Incorporated/
SPEX Forensics Division