

FOSTER+FREEMAN USA INC.
 20145 ASHBROOK PLACE #190
 ASHBURN, VA 20147
 T: 888 445 5048
 F: 888 445 5049
 usoffice@fosterfreeman.com

Federal Tax ID No. 56-2316854

GST/HST No. 81939 6300 RT0001

www.fosterfreeman.com

Your Reference: RFQ - DCS5 PRO

Our Reference: C106357

Quote Reference: Q214865

Date: September 29, 2023

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Costa Mesa Police Dept.
 99 Fair Dr.
 Costa Mesa
 CA 92626
 USA

Attention of Ms. Lindsey Olson

QUOTATION Q214865 - FOR THE SUPPLY OF:

LINE	PRODUCT DESCRIPTION	QTY	UNIT PRICE	SUB TOTAL
1	DCS PROFESSIONAL FINGERPRINT CAPTURE SYSTEM 120V (DCS5/SYS/PRO/120V)	1	95,118.07	95,118.07

**DCS5 STAND, SOFTWARE, COMP, MON, PRINTER AND
8X4 MOUNT
(DCS5/KIT/001)**

Comprising:

COPY STAND (NO CAMERA/8X4 MT)

(DCS4/STAND)Free-standing copy stand

- Transmitted light base, 430 x 350mm, fitted with four 13 watt daylight, high frequency fluorescent lamps for even illumination.

- 1.2m column with weight compensation and gear rack height adjustment. NOTE: supplied without camera arm

- Removable base plate with magnetic bars for holding exhibits

- Dust cover

- Incident lighting not included

COPY STAND MOUNT

(QCL/144X8/ASSY)- Modified Kaiser camera arm with Crime-lite 8x4 base bracket QCL/143x8, Crime-lite 8x4 mount QCL/142x8 and camera mount QCL/141x8

- Allows fully independent adjustment of camera and Crime-lite 8x4

- Suitable for Kaiser's R1 System of columns only

- Suits most SLR camera and lens combinations

**DCS5 FINGERPRINT CAPTURE AND ENHANCEMENT
SOFTWARE AUDIT**

(DCS5/MODULE)Software:

Integrated software for fingerprint image capture, validation, enhancement through to final printing at 1:1

- Dedicated application specific toolboxes to simplify the enhancement of fingerprint images. Each toolbox provides enhancements specific to different types of fingerprint treatments and/or backgrounds. Additional enhancement tools are provided for advanced users

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- Optional Photographic and Chemical Treatment Wizard is also available. Other optional software modules will be offered when available
 - Full forensic audit trail in simple language covering full history of image from image origin to image output
 - Automatic image authentication using 'VeriData iDem'
 - User defined case work management ensures all related images and support files are stored together
 - Archive management allowing backup to CDs, DVDs and network locations. Monitoring of archive status ensures archiving is up to date
 - Pre-calibrated and custom 1:1 image printing with options to print enlargements and non-standard image sizes
 - Simplified image calibration with auto image magnification with for accurate scaling
 - Customised enhancement for third level fingerprint examination, this process will highlight pore and ridge detail giving clear visibility of pore and ridge positions and shapes.
 - Image annotation allowing for the marking of characteristics in fingerprint images.
 - Simultaneous image output to multiple locations including local printers, AFIS and Minilab
 - Administrator settings control allowable user activities
 - Monitor resolution: 1920 x 1200 recommended, 1600 x 900 minimum
 - Operating system: Windows 7 64bit, and Win10.
 - Available languages: English and German (others languages can be provided at extra cost).
- Camera control:
- Supported camera, NIKON D5/DX810 modified for colour/UV and IR imaging
 - Full spectrum, live view, full screen viewing of all images from UV to IR (depending on lens selection)
 - Live view auto and manual tuning of camera white balance
 - Mirror Up camera mode supported
 - Capture preview images as tiff files supported from the camera interface
- Light source support:
- Full on-screen control of Crime-lite 8x4 (MK2 and MK4)
 - Full on-screen control of Crime-lite FLS
- NOTE: DCS5/MODULE WILL SUPPORT THE D700 CAMERA - LIVE IMAGE MODE IS NOT AVAILABLE
(The D3, D3S, D3X are also supported but have no LIVE view)

DCS5 LICENCE WIZARD

(DCS5/WIZARD) Simple to use wizard to guide users through the choices of suitable internationally recognised chemical treatments and photographic techniques for a wide variety of surface and exhibit types.

The results provide illustrated information on the suggested chemical treatments and full instruction on the photographic lighting techniques and camera settings to use for effective fingerprint photography.

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Available languages: English. Others languages can be provided at extra cost.

DCS5 COMPUTER SYSTEM

(DCS5/COMP)Computer (Minimum Specification):

i7 equivalent
16GB RAM
1 x 2TB SATA HDD
1 x 512GB SSD
DVD RW Drive
6 x USB 2.0 or 3.0 ports rear
Network interface Integrated Gigabit (10/100/1000) via RJ45 connector
Min 512MB Graphics Adaptor (on board or Card)
Minimum display connection VGA
Multimedia Card Reader
external XQD card reader
Windows 10 64 Bit
Wired USB plus Wireless USB Optical Scroll Mouse
2TB external HDD

32" MONITOR

(DCS5/MON32)- 4K monitor with UltraColor

- 32" (viewable 31.5"/80cm
- 4K UHD (3840 x 2160)

IMAGE PRO ANALYSER

(DCS4/IPA)Image processing software required as part of DCS 4 or 5 installation

Version 6.3.0.512 supplied on CD for compatibility with DCS 4

Licence and hasp valid for version 7.x and lower

Available languages: English

VERIDATA IDEM LICENCE

(DCS4/IDEM)VeriData iDem version 3.00 or later

Provides validation and authentication of original digital images

Available languages: English. Others languages can be provided at extra cost.

Compatible with DCS5

PHOTOGRAPHIC ACCESSORY PACK

(DCSL/075)Comprising:

Photographic Blackout Cloth (DCSL/049)
- Black rubberised fabric for reducing unwanted ambient light during photography

- Size 1.5m (60") x 1.35m (72") approx.

Air Blower (DCSL/072)

- For removing dust from lenses and camera filters

Lens Cloth (DCSL/073)

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- High quality cleaning cloth ideal for lenses, LCD screens etc.
- Washable and supplied in a rigid plastic case
- Lens Cleaning Wipes (DCSL/074)
- Pack of disposable, lint free wipes for cleaning lenses and camera filters

FUJI ASK400 DIGITAL COLOUR PRINTER
(DCS5/PRIN/ASK400)Printing Method: Dye-Sublimation
Thermal Transfer
Gradation: 256 levels {8 bit} per colour (Y, C, M)
Operation for paper exchange: Semi-Auto loading
Virtual 600dpi using high quality and matt finish mode
Dimensions (W X D X H): 10.8 x 17.6 x 6.7in. (275 x 446 x 170mm)
Weight approx.:12kg (26.4lb)
USB interface (rear side): High-Speed USB Ver.2.0 x 1 port (Type B)
Power consumption: 2.4A (220-240VAC, 50/60Hz), 4.6A (120VAC, 50/60Hz)
EMC & Safety & Environment: EMC FCC / CE

PAPER PRINTING PACK FOR FUJI ASK400 - 800 PRINTS
(DCS5/PAPER/ASK400/46)FUJI T RK - CF800
- 2 x Paper rolls and ink ribbons for 400 prints per roll (total 800 prints)
- print size - 4"x6" (102mm x 152mm)

NIKON D6 DIGITAL SLR CAMERA WITH P/SUPPLY AND LEADS FOR DCS5
(DCS5/KIT/002/D6)

Comprising:

NIKON D6 DIGITAL SLR CAMERA WITH ACCESSORIES
(DCS5/CAM/D6)- pre configured ready for DCS 5 use
Features include:
Megapixels 20.8
Sensor Format Full Frame
Sensor type CMOS
Sensor size 35.9 mm x 23.9 mm
Max Resolution 5568 x 3712
HD Movie mode 4k possible from separate monitor if required 1080 resolution embedded in DCS5 software
- modified to transmit from UV (365nm) to IR (1,000nm)
Other items included:
- cables and power adaptor

HDMI PVR PC CAPTURE DEVICE
(DCS5/LINDYVCD)- HDMI PVR PC capture device
- seamless picture quality with USB3.0 bandwidth enabling you to capture 1080p video @ 60fps
- part number 2167977

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CAMERA BUBBLE LEVEL
(DCS5/LEVEL)Manfrotto 337 hot-shoe two axis bubble level

USB 3.0 A TO B CABLE 2M LONG
(DCS5/LINDYUSB3)- LINDI USB3.0 A to B cable, 2M long
- part number 41612

NIKON HDMI CABLE A-C MINI
(ALM13004)
LINDY 5M USB 3.0 ACTIVE EXTENDER
(43155)

VELCRO CABLE TIE 150MM

(FEC337-5986)

S/ADHESIVE CABLE CLIP 13MM

(FEC116-8960)

3 X IR CAMERA FILTERS FOR DCS5

(DCS5/KIT/003)

Comprising:

IR CAMERA FILTER FOR DCS5 72MM WITH ANTI-GLARE COATING 715NM

(DCS5/IRF1)- schott RG715 long pass filter glass (1% cut-on wavelength at 693nm, nominal)

- reflective long pass dielectric filter coating deposited on to Schott glass to suppress auto-fluorescent emissions of filter glass

- maximum anti-glare performance when used with high power light sources

(note: 70mm diameter glass fitted in 72mm diameter threaded holder)

- requires step down ring 77mm to 72mm for use with DCS4/LENS/PCE85 (DCS5/SDR77-72)

- requires step up ring 62mm to 72mm for use with DCS4/LENS/AF105 or QCL273/ (QCL/212)

- requires step up ring 52mm to 72mm for use with DCS5/LENS/UVIR (DCS5/SUR52/72)

NOTE: Adaptors are supplied with the individual lenses

IR CAMERA FILTER FOR DCS5 72MM WITH ANTI-GLARE COATING 780NM

(DCS5/IRF2)- schott RG780 long pass filter glass (1% cut-on wavelength at 751nm, nominal)

- reflective long pass dielectric filter coating deposited on to Schott glass to suppress auto-fluorescent emissions of filter glass

- maximum anti-glare performance when used with high power light sources

(note: 70mm diameter glass fitted in 72mm diameter threaded holder)

- requires step down ring 77mm to 72mm for use with DCS4/LENS/PCE85 (DCS5/SDR77-72)

- requires step up ring 62mm to 72mm for use with DCS4/LENS/AF105 or QCL/273 (QCL/212)

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- requires step up ring 52mm to 72mm for use with DCS5/LENS/UVIR (DCS5/SUR52/72)

NOTE: Adaptors are supplied with the individual lenses

IR CAMERA FILTER FOR DCS5 72MM 850NM
(DCS5/IRF3)- schott RG850 long pass filter glass (1% cut-on wavelength at 815nm, nominal)

- reflective long pass dielectric filter coating deposited on to Schott glass to suppress auto-fluorescent emissions of filter glass

- maximum anti-glare performance when used with high power light sources

(note: 70mm diameter glass fitted in 72mm diameter threaded holder)

- requires step down ring 77mm to 72mm for use with DCS4/LENS/PCE85 (DCS5/SDR77-72)

- requires step up ring 62mm to 72mm for use with DCS4/LENS/AF105 or QCL/273 (QCL/212)

- requires step up ring 52mm to 72mm for use with DCS5/LENS/UVIR (DCS5/SUR52/72)

NOTE: Adaptors are supplied with the individual lenses

72MM MAGNETIC FILTER HOLDERS
(DCS5/MAG72H)- Magnetic filter holder for DCS5

- Holds any lens filter with 72mm diameter thread

- Requires Magnetic Lens Adaptor

DCS5 FILTER POUCH
(DCS5/012)- camera filter pouch
- complete with belt loop, shoulder strap and protective divider for up to 6 filters
- max filter diameter external 75mm

ALL LIGHT GUIDES, RINGLIGHTS BACKLIGHT AND CO-AX BOX

(DCS5/KIT/004)

Comprising:

RINGLIGHT

(DCSL/024)- 4" Diameter

- Use with polariser ring DCSL/025 (supplied separately)

POLARISER FOR RINGLIGHT
(DCSL/025)- For use with 4" ring light DCSL/024
- Spare ball plungers available

SCREWDRIVER 2mm X 0.4mm fec381-0896
(DCSL/061)- 2mm blade
- Use for adjusting polarising ring DCSL/025 on 4" ring light DCSL/024

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LONG GOOSENECK
(DCSL/021) COMBINATION TWIN ARM GOOSENECK
- 450 mm (18") gooseneck with 760 mm (30") bundle
- Use with focussing lenses and polarising caps (supplied separately)

SPOT LENS GOOSENECK
(DCSL/022)
POLARISING CAP
(DCSL/023)- Fits over gooseneck focussing lens

BACKLIGHT 4X5
(DCSL/026)- Also known as Light Paddle
- 100 x 125 mm (4"x5") illuminated area
- Use with Colour Adaptor DCSL/027 (see below as listed as separate item)

COLOUR ADAPTOR >>>>
(DCSL/027)- Must be used to prevent melting of light fibres when using colour filters
- Fits over protective IR filter on end of light bundle

SINGLE FLEXIBLE FIBRE BUNDLE FOR CRIME-LITE FLS LIGHT SOURCE
(QCL/CI/14)- length 960mm
- connects to QCL/CI/15
Application: used for: flexible side illumination

COAX LIGHT BOX FOR CRIME-LITE FLS LIGHT SOURCE
(QCL/CI/15)- must be used with QCL/CI/14
- field of view: 7 x 9cm, focal distance: 8cm
- dims, W: 170mm, L: 235mm, D: 70mm
Application: used for coaxial illumination

DARK FIELD RINGLIGHT
(DCS4/LTDARK)- For radial oblique lighting for 3D indented fingerprint marks, e.g. in dust, putty or hot melt glue
- NSN 6240-99-348-2238

1/16" ALLEN KEY
(RS609-685)

CLAMP SETS FOR DCS5 LIGHT GUIDES AND CRIME-LITE 82S
(DCS5/KIT/005)

Comprising:
FRICTION ARM - MN244N MN244N
(DCSL/041)- Total arm length 53cm
- For use with super clamps DCSL/042 (not supplied)

FLEX ARM HEAVY DUTY 520MM MN237HD
(DCSL/043)- Total arm length 53cm

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- For use with super clamps DCSL/042 (not supplied)

MANFROTTO SUPER CLAMP

(DCSL/042)- For use with variable friction arm DCSL/041 or flexible arm DCSL/043 (not supplied)

ARM

(DCSL/044)- 6mm threads

BASE

(DCSL/045)- Base for attaching up to three support arms at once (not supplied)

- For arms with M6 threads only
- Weight 3.5 lb

V CLAMP

(DCSL/048)- For general use with small variable friction articulated arm (DCSL/044) for holding light attachments or clamping to bench

- Allows simple support and positioning
- M6 threaded holes

COMBINATION SPANNER 7MM

(rs495-3661)- Combination spanner to secure arm to base

PRO ORGANISER CASE DCS4 TOOLBOX

(DCSL/060)- Up to 17 compartments using removable dividers

- Size 395 x 305 x 60mm

LENS 105MM MICRO NIKKOR LENS AND VISIBLE PASS FILTER

(DCS5/KIT/008)

Comprising:

SIGMA 105MM F2.8 MACRO EX DG OS HSM (NIKON FIT)

(1524158)VISIBLE PASS FILTER DCS5

(DCS5/VPF2)- visible pass filter for DCS5 62mm 400-700nm

- to be used with DCS4/LENS/AF105 or QCL/273

(note: 60mm diameter glass fitted in 62mm diameter threaded holder)

STEP UP RING 62MM-72MM

(QCL/212)- enables 72mm Crime-lite camera filters to fit 62mm diameter lens

62MM MAGNETICS LENS ADAPTOR

(DCS5/MAG62A)- Magnetic lens adapter for DCS5

- Mounts to any lens with 62mm diameter thread

- Requires Magnetic Filter Holder

62MM MAGNETIC FILTER HOLDERS

(DCS5/MAG62H)- Magnetic filter holder for DCS5

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- Holds any lens filter with 62mm diameter thread
- Requires Magnetic Lens Adaptor

72MM MAGNETIC LENS ADAPTOR
(DCS5/MAG72A)- Magnetic lens adapter for DCS5
- Mounts to any lens with 72mm diameter thread
- Requires Magnetic Filter Holder

MAGNETIC CIRCULAR POLARISING FILTER 62MM
(DCS5/MCPF2)
CRIME-LITE 8X4 MK2 WHITE LIGHT AND VIS
FLUORESCENCE INC
(DCS5/KIT/012)

Comprising:

- 8X4 RINGLIGHT HEAD VERSION 2
(QCL/231X8)Crime-lite 8x4 fitted with 32 high efficiency surface mount LEDs, configured in a ring light for even illumination of up to 98 colour combinations comprising:
- 4 x white LED 400-700nm, 10 intensity and 10 colour temperature settings
 - 4 x UV LED peak at 365nm, 10% intensity bandwidth of 350-380nm.
 - 4 x violet LED peak at 410nm, 10% intensity bandwidth of 395-425nm.
 - 4 x blue LED peak at 445nm, 10% intensity bandwidth of 420-470nm.
 - 4 x blue/green LED peak at 475nm, 10% intensity bandwidth of 445-510nm.
 - 4 x green LED peak at 520nm, 10% intensity bandwidth of 480-560nm.
 - 4 x orange LED peak at 590nm, 10% intensity bandwidth of 570-610nm.
 - 4 x red LED peak at 640nm, 10% intensity bandwidth of 600-660nm.

Features include:

- 2 detachable handles to simplify removal of light from copy stand mount
- Optimum working distance 150mm.
- Illumination area at 150mm, 140mm diameter.
- Maximum lens diameter to fit inside ring, 85mm.
- 2 segment digital display.
- 24V DC input
- Classified to EN62471
- Software and USB cable included to enable optional control of Crime-lite 8x4Mk2 from a Windows PC

ADDED APRIL 2017

- camera synchronisation port and lead for Phosphorescence imaging (for use with Phosphorescent fingerprint powders), requires DCS 5 software and Nikon D810/D5 camera

CL MAINS ADAPTOR FOR 80,82,42 AND 8X4
(QCL/80)- input voltage: 90-264V AC
- output voltage: 24V DC

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- maximum power output: 80W
- dimensions: 168 x 78 x 45mm
- weight: 750g

8X4 RINGLIGHT BELLOWS

(QCL/127X8)- large bellows to enable safe examination of objects

- maximum coverage area – 290 x 225mm, maximum extension - 210mm

8X4 INSPECTION FILTER SET

(QCL/232X8/SET)- Suitable for visual inspection and photography

- Fluorescence viewing filters - 70mm diameter long pass filter glass fitted into slide mount for Crime-lite 8x4. Anti-glare filters have an additional reflective long pass coating to suppress auto-fluorescent emissions of the filter glass for maximum optical performance when used with high power light sources

GG420 (1% cut-on 408nm), anti-glare (QCL/230x8)

GG455 (1% cut-on 435nm), anti-glare (QCL/181x8)

GG495 (1% cut-on 476nm), anti-glare (QCL/182x8)

OG515 (1% cut-on 495nm), anti-glare (QCL/183x8)

OG530 (1% cut-on 510nm), anti-glare (QCL/184x8)

OG550 (1% cut-on 529nm), anti-glare (QCL/185x8)

OG570 (1% cut-on 549nm), anti-glare (QCL/186x8)

OG590 (1% cut-on 571nm), anti-glare (QCL/187x8)

RG610 (1% cut-on 593nm), anti-glare (QCL/188x8)

RG630 (1% cut-on 613nm), anti-glare (QCL/189x8)

RG645 (1% cut-on 624nm), anti-glare (QCL/207x8)

- Cross polarising filter - 110mm diameter adjustable analyser, 70mm fixed analyser (QCL/139x8)

STORAGE CASE FOR SLOT IN FILTERS (QCL/287)

- holds up to 12 x Cime-lite 8x4 filters
- foam inserts

HALOGEN FIBRE OPTIC LIGHT SOURCE BOX AND COLOUR FILTERS

(DCS5/KIT/006-120V)

Comprising:

PHILIPS EKE 21V 150W BULB

(DCSL/002)21V, 150W

250 hours rated life dependant on operating conditions

NSN 6240-99-667-7669

FILTER CYAN BLUE

(DCSL/003)

FILTER-GREEN

(DCSL/004)

FILTER YELLOW

(DCSL/005)

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FILTER- RED
(DCSL/006)
FILTER DAYLIGHT
(DCSL/007)
FOSTEC LIGHTSOURCE 115V >>>>
(DCSL/001/115)- 150W halogen lamp controlled by solid
state variable dimmer control (zero to full intensity)
- 115V
For safe operation this product must be connected to a
mains socket outlet with a protective earth contact. Do NOT
connect this product to an incompatible mains supply.

WURTH 742 711 12 FERRITE
(74271112)

2	PRODUCT TRAINING (NON SP) THIS ITEM IS EXEMPT FROM TAX 4-day site visit by Foster & Freeman Applications Specialist. Includes unpacking and setup of equipment, followed by comprehensive operator training and optional testing. Training will cover both theory and practical applications, using realistic samples and scenarios. Equipment safety and maintenance will also be covered. Training and testing certificates provided. Costs are based on two visits and include associated expenses for the Applications Specialist.	1	8,700.00	8,700.00
3	SHIPPING AND HANDLING	1	850.00	850.00

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TOTAL PRICE	USD		104,668.07
TOTAL TAX	USD	@ 7.75%	7,437.53
TOTAL VALUE	USD		112,105.60

DESPATCH PERIOD:

6-8 working weeks from receipt of order, subject to terms of payment details below. **Please note** despatch times are estimates and will be confirmed at time of order acknowledgement.

TERMS OF DELIVERY:

This price covers delivery including customs clearance, duties and local delivery, and includes local sales tax.

TERMS OF PAYMENT:

Nett 30 Days from date of invoice Please note that a surcharge of 3% will apply to all credit card payments

BANK DETAILS:

United Bank, McLean, VA. Routing No 056004445, Foster & Freeman USA Inc., Account No. 70061289

WARRANTY:

12 months from date of installation

VALIDITY UNTIL:

December 29, 2023

SIGNED:

Nathan Carey

Foster & Freeman Ltd. terms and conditions of sale apply.