

POLICE



DEPARTMENT

No. C1-4701/2018/FSL

Forensic Science Laboratory,

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Binocular Research Microscope with Camera attachment, computer, Colour Printer and Software for Live measurement facility.

Description	
Optical System	Ergonomic Design with Aluminum Die cast Body.
Viewing System	Infinite Optical System
Viewing Head	Compensation Free Binocular Head, Inclined at 30° & 360° Inclined Adjustable Interpupillary Distance 55-75 mm, Adjustable Diopter.
Eyepiece	Extra Wide Field Eyepiece EW10x/22 mm with foldable Eye guards.
Objective	4/5 X, 10x, 20X, 40/45X, 100Xoil Plan apochromatic objectives Antimicrobial treated and Anti Glare, Anti Scratch coated with colour corrected Infinity Optical System (CCS) Objective
Nosepiece	Reverse and Rotatable Ball Bearing Nosepiece
Condenser	Condenser NA 0.9/0.25
Attachments	Phase Contast, Dark Field
Focusing System	Coaxial Coarse & Fine Focusing System, Sensitivity Graduation of Fine Focus Division 0.001mm or better.
Mechanical Stage	Right Hand, Hard Coated with Scratch resistant Double Layers X-Y Mechanical Stage 185x140/75x55 mm and Slide Holder



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Electrical System	Universal Standard input 100V- 240V and AC 50-60
Illumination	3W LED illumination or better
Digital part	
Features	Built-in Mouse Control Camera, Built-In Video Record, USB 2.0 with 30 Fps, HDMI Fluorescence Imaging.
Sensor	5MP Dual Chip Scanning or better
Frame Speed	1920x1080 30Fps or better
	1920x1080 60Fps HDMI or better
Out put mode (2 Options)	USB 2.0
	HDMI
System Compatible	System with suitable soft wares
Live Image Analysing software(Multi User) with calibration Slide	
<p>Instant Image Capturing & Printing, Real time full screen image, Programmed Interval Captures</p> <p>Video Capture by Time Settings, Easy Measurment Callibration with Calibration slide, Measurement in microns, inches, Centimeter, millimeters, Length, Circle-3points, Ellipse, Rectangle, Irregular Shape</p> <p>Measurement in microns, inches, Centimeter, millimeter, Length, Circle, Circle-3points, Ellipse, Rectangle, Irregular Shape measurements, perimeter, radius, circumference, angle, arc, polygon, freehand line, irregular mesurements, magnifier (zoom) function.</p>	
All in One Desktop Computer (Branded)	
Intel Core i3 with 1TB HDD, 4GB Ram, wireless keyboard & mouse, built-in speakers, DVD writer, 22" Monitor with All in one Colour Printer.	





Dr. R Sreekumar
Director FSL



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