

## OPTICAL SYSTEM

<b>Type</b>	Galilean converging binoculars @ 8°
<b>Magnification</b>	Rotating drum change x6, x10, x16, x25 & x40
<b>Eyepiece</b>	x12.5
<b>Field of view</b>	34, 22, 14, 8.5 and 5.5 mm
<b>Interpupillary distance</b>	49.0 to 77mm
<b>Objective lens focal distance</b>	107mm
<b>Objective lens convergence angle</b>	13°

## SLIT PROJECTION SYSTEM & BASE

<b>Slit Width</b>	0-12mm continuously variable
<b>Slit Length</b>	12mm (1.8 – 12mm continuously variable)
<b>Aperture diameters</b>	0.2, 1mm square, 2, 3, 5, 9 and 12mm
<b>Filters</b>	Clear; red free; neutral density; diffuser; blue; IR heat absorbing filter permanently installed
<b>Slit angle</b>	+/- 90° continuous
<b>Slit rotation</b>	+/- 180° with reference scale
<b>Slit vertical Tilt</b>	0°, 5°, 10°, 15° & 20°
<b>Base travel</b>	25mm Z-axis, 107mm X-axis, 110mm Y axis
<b>Horizontal fine adjustment</b>	12mm
<b>Table top dimensions</b>	405 x 500mm
<b>Fixation lamp</b>	LED
<b>Light source</b>	LED / 12V 30W Halogen lamp

## WEIGHT, PACKED (APPROX.)

<b>Slit Lamp, complete with table top</b>	26kg (max), 900 x 580 x 450 mm W x D x H (external dimensions)
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## POWER SUPPLY

<b>Power supply unit</b>	Switch mode, (110V – 240V input) +/- 10% multi plug compliant to EN60601-1 EN 61000-6-2, EN 61000-6-3
<b>Power supply output</b>	12V DC: 2.5 amps must be IEC/EN 60601 compliant
<b>Complies with</b>	Electrical Safety (Medical) BS EN 60601-1 Electromagnetic compatibility EN 60601-1-2 Ophthalmic instruments - Fundamental requirements and test methods ISO 15004-1:2006 Ophthalmic instruments - Optical radiation hazard ISO 15004-2:2007

## ENVIRONMENTAL

	Temperature	Humidity	Pressure
<b>Use</b>	+10°C to +35°C	30% to 90%	800 hpa to 1060 hpa
<b>Storage</b>	-10°C to +55°C	10% to 95%	700 hpa to 1060 hpa
<b>Transport</b>	-40°C to +70°C	10% to 95%	500 hpa to 1060 hpa

## CAMERA SYSTEM

<b>Resolution</b>	2 Megapixel: 1600 x 1200
<b>Connectivity</b>	USB2
<b>Sensor type</b>	CCD
<b>Sensor manufacturer</b>	Sony
<b>Chip size</b>	1 / 1.8"
<b>Frame rate</b>	17.5 fps

## PROTECTION AGAINST INGRESS IPx0

## CLASS II ME EQUIPMENT

Insulation between mains parts and the functional earth provide at least two means of protection

## SLIT LAMP ADDITIONAL FEATURES

<b>Base unit</b>	Integral USB hub Joystick trigger system Auto left / right detection +/- Camera exposure controls Freeze frame image review control
<b>Illumination system</b>	External background illumination system LED / 12V 30W Lamp Auxiliary diffuser & blue filter for background illumination system
<b>Power supply</b>	12V DC (Bulb system / 24V DC (LED system) (110 – 240V input +/- 10%)

## KEELER KAPTURE SOFTWARE FEATURES

<b>Patient record, episode record</b>	Add / edit / delete
<b>Image capture</b>	Still images Freeze frame / burst mode Video (not available in Kapture lite) Automatic left / right eye detection
<b>Image processing</b>	4 up or 1 up viewing Green filter / channel Colour plane selection Auto RGB split Crop Zoom Invert colours Sharpen Contrast / brightness Display image at true size Flip, rotate, mirror image Fit to window Dicom (upgrade option) Gamma control Histogram Delete Import / export Annotate, draw Measure (upgrade / option) Zoom Compare with other session images

## RECOMMENDED PC SPECIFICATION

<b>Operating system</b>	Windows XP 32 bit (minimum SP3) or Windows 7/8 64-bit
<b>Windows features</b>	Full install of .NET 2.0 and .NET 3.5 framework All .NET updates and OS updates
<b>Processor</b>	Intel Core i5 or i7 recommended
<b>Memory</b>	Minimum 4 GByte RAM
<b>HDD</b>	Minimum 500 MB Hard Disc (larger recommended) at 7200 rpm
<b>Ports</b>	2 Free Full speed USB2 ports that will support video
<b>Backup Device</b>	External HD, LAN, DVD-Writer or other
<b>Monitor</b>	Minimum 1024 x 768 resolution recommend 1600 x 900
<b>Keyboard and Mouse</b>	Wheel mouse preferred

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