

# TECHNICAL SPECIFICATIONS

	<b>FORENSIC XP-4010D</b>	<b>MSS-2D</b>
<b>Imaging</b>	VIS color, UV&IR b/w	VIS color
HyperSpectral Imaging(HSI)	Y	Y
Luminescence Imaging	Y	Y
HSI Spectral Enhancement	Y, 120 dB	Y, 120 dB
Passport MRZ Decoder	Y	N
Passport Hidden Image	Y	N
OVD Kinegram Visualizator	Y	N
Imaging System	1360x1024 pixel digital color CCD	1360x1024 pixel digital color CCD
Spectral Imaging System	1360x1024 pixel digital b/w CCD	1392x1024 pixel digital b/w CCD
Spectral Measurements	400-1000 nm	350-1100 nm
Quantum Efficiency (max)	65%	65%
Image Integration	10 microsec-60 sec	1 millisec – 65 sec
Region of Interest (ROI)	Independent X&Y control with 1 pixel resolution	Independent X&Y control with 1 pixel resolution
Image Binning	2x2, 4x4 pixel etc FOV	2x2, 4x4 pixel etc FOV
Image Digitization	12 bits	12 bits
Optical Magnification	Parfocal x10 Zoom Lens	Parfocal x8 Zoom Lens
Field of View (FOV)	180x135mm – 18x13.5mm	5x3.75mm – 0.625x0.47mm
FOV with aux.lens x2	N	2.5x1.875mm– 0.31x0.24mm
FOV with aux.lens x0.4	N	12.5x9.4mm – 1.6x1.2mm
Digital Magnification	Unlimited for any part FOV	Unlimited for any part FOV
Polarizing Adapter	N	Y (Optional)
Variable Angle Lighting	N	Y (Optional)
Diffuse Lighting	N	Y (Optional)
Laser Height Measurements	N	Y (Optional)
Backlighting	Y	Y
<b>Illumination</b>		
VIS incident broadband	Y	Y
IR incident broadband	Y	Y
UV incident	365nm, 313 nm & 256 nm	365 nm (Optional)
Quasi Monochromatic	455,470,505,530,590,615&630	400,450,500,550,600,650,700
Laser Monochromatic	980nm	650nm (Optional)
Backlight VIS	Y	Y
Backlight IR	Y	Y (Optional)
Backlight UV	Y, 365nm	Y (365 nm Optional)
Oblique (Side) Light	Y	Y
Coaxial	Y	Y (Quasi Coaxial)
<b>Measurements</b>		
Color in any pixel FOV	XYZ, xy,uv, Lab, statistics	XYZ, xy,uv, Lab, statistics
Distance, Radius, Angle	Y	Y
Rect.area, Any selected Area	Y	Y
Height	Y (3D Shadowing)	Y (3D Shadowing & Laser)
<b>Software</b>		
HSI Spectral Enhancement	Y	Y
3D View	Y	Y
Image Tiling (Stitching)	Y (Optional with X-Y table)	Y
Image Defocus	N	Y (Optional)
Comparison of Live and Stored Images	Y	Y
Live Image Processing	Y	Y
Live Contrast Stretch	Y	Y