



# OPTICAL INSPECTION SYSTEMS

REDUCE COSTS + INCREASE QUALITY



**Vision**  
ENGINEERING

Tel: +1800.644.7264  
www.visioneng.us



	Vision Luxo Bench Magnifier	Mantis IOTA	Mantis ERGO	Mantis PIXO	Lynx EVO	Lynx EVO Lite	SX Elite 25/ SX Elite 45/ Elite 45TR	SX80/SX100
Common uses	Low magnification tasks, quickly and easily identify components for assembly.	PCB inspection, soldering and rework, precision engineering, medical product inspection, hair transplant follicle analysis and graft preparation, dental prosthetics, and UV fluorescing tasks with ERGO & PIXO.			Precise inspection in electronics, medical devices, plastics, rubber, and precision engineering, offering ergonomic 3D stereo viewing, a long working distance, and eyepiece-less design for detailed tasks across various industries.		Traditional microscope for inspection, rework, soldering and assembly tasks.	
Description	High quality industrial illuminated magnifiers. ESD and UV models available	3D eyepiece-less stereo viewer, increased magnification and ergonomic 3D viewing. High value with low investment.	3D eyepiece-less stereo viewer, 3-lens turret, enhanced dynamic lighting and ergonomic 3D viewing with HD camera in PIXO. High value with low investment for detailed inspections and analysis.		Exceptional 3D stereo viewing and ergonomic advantages. Modular design with zoom, and video capabilities.	Low investment 3D stereo viewing and ergonomic advantages. Two magnifications, Modular design, zoom-less configuration with fine focus control and video capabilities.	Stereo binocular and trinocular microscopes for camera adaptability.	Stereo zoom microscope family. Camera optional.
Magnification	3 diopter (1.75x) - 5 diopter (2.25x)	3x-8x	3x-15x		2.7x - 240x	8.5x - 80x Fix Mag	4x - 200x	4x - 320x
Working distance (varies per magnification)	up to 13"	up to 4.25" (108 mm)	up to 4.48" (114mm)		up to 6.93" (176mm)		up to 8.66" (220mm)	up to 5.11" (130mm)
Camera	Optional BenchKam available	⊘	⊘	Built in 5MP - 2592x1944 Pixels	Optional 5MP - 2592x1944 Pixels		Optional with 45TR 2MP - 2560x1920 pixels camera with HDMI & USB video output	Optional 2MP camera with HDMI & USB video output
Illumination	LED, Dimming control, UV WAVE and KFM models	Integrated LED Optional: Contrast Enhancing base	Integrated LED (White or White/UV) Optional: EPI Illum, Contrast Enhancing base		8-point LED ringlight 5-point LED substage illumination (option)	8-point LED ringlight with intensity control. 5-point LED substage illumination (option)	Incident and substage, LED ringlight, White / UV ringlight (optional)	
Stands	30" and 45" arms	VERSO, VERSO with arm extension, Stabila			Multi Axis Ergo	Single Arm Boom Stand Multi Axis	Bench Single & Double Arm Boom with Base or Clamp	
Accessories	4D (2x), 6D (2.5x) and 10D (3.5x) STAYS lens, ESD WAVE and KFM models	Pilot stage, Tilting stage			Pilot stage, Filters, 360° viewer, Fixed wedges, Measuring Reticle Contrast Enhancing Base	Pilot stage Measuring Reticle Contrast Enhancing Base	Measuring Reticle Contrast Enhancing Base	
Ergonomic	✓	✓			✓	✓	⊘	Optional Ergo Tubes



# DIGITAL INSPECTION SYSTEMS

## REDUCE COSTS + INCREASE QUALITY



	EVO Cam ICON		EVO Cam II	EVO Cam Halo	ProteQ VISO	DRV-Z1
Common uses	Precision inspection, quality control, and detailed analysis in manufacturing, electronics, engineering, and medical industries.			Ultra-high-resolution inspection, offering exceptional clarity and detail for detecting defects: Electronics manufacturing, life sciences, medical device inspection, micro mechanics, plastics & 3D printing, and jewelry & watchmaking.	Precision workflows that demand true 3D insight and seamless digital collaboration, including electronics inspection, medical device development, prototyping, quality control, and high-accuracy production tasks.	Manufacturers, engineers, and quality control teams in industries like aerospace, automotive, and electronics, requiring precise 3D inspection of small, complex parts Provides real-time 3D HD viewing and global collaboration for seamless remote inspections and tasks.
Description	Low Investment Full HD 1080p imaging at 60fps. Features auto/manual focus, a large FOV and intuitive controls for seamless inspection and measurement.	Full HD 1080p imaging at 60fps. Features auto/manual focus, a large FOV and intuitive controls for seamless inspection and measurement. Image overlay, Focus Stacking and comparison ensure accuracy for critical inspections.		Offers 4K resolution featuring manual/auto focus and intelligent lighting. The system includes Auto Lens ID for automatic magnification adjustment and a variety of stands for flexible setup. ViPlus software enables real-time analysis, image capture, and reporting.	A breakthrough digital stereo microscope with autostereo display, delivering true 3D viewing without eyepieces. It blends immersive depth perception, ergonomic design, and advanced digital tools for capture, annotation, measurement, and sharing.	Digital stereo 3D viewer with zoom. Capture and share 3D images in real time.
Magnification	0.8x - 725x optical 30x optical; 12x digital zoom			0.8x - 192x optical 2x and 12x digital zoom	1x - 314x	6.1x - 93x optical 2x digital zoom
Working distance	up to 19.69" (500mm)			up to 19.69" (500mm)	14" - 6.93" (29mm - 176mm)	up to 7.17" (182mm)
Camera	2MP - 1920x1080 pixels Full HD 60fps with HDMI & USB video output			8.5MP - 3840x2160 pixels 4K 30fps with HDMI & USB video output	Twin HD stereo cameras @60fps with eye-tracking	Built-in full stereo HD cameras with dual Full HD channels
Illumination	Built in LED ringlight, optional: White/UV ringlight, Substage, Contrast Enhancing Base, Flexible illuminators and EPI illuminator			Clip on/off ring lights quadrant ring-light Optional: White /UV , Large area panel light, 190% larger substage, Contrast Enhancing Base, and EPI illuminator	Quick release Clip-On LED ring-light and optional 360° and sub-stage lighting for versatile, precise illumination.	Integral LED panel lights Flex illuminator and substage (optional)
Accessories	Pilot stage, Remote control, Filters, Monitor Mounts	Pilot stage, 360° viewer, Remote control, Filters, Monitor Mounts		Image Capture box, Pilot stage, 360° viewer, Remote control, Filters, Monitor Mounts and Stands options	Pilot stage, Contrast-enhancing base, optional 360° viewer and sub-stage lighting.	Contrast Enhancing Base
WiFi Connectivity	With WiFi Dongle			❌	✓	With WiFi Dongle
Stands	Ergo stand, multi-axis, Bench, Single arm boom, Double arm boom with clamp or base, Articulated arm			Ergo stand, multi-axis, Bench, Single arm boom, Double arm boom with clamp or base	EVO Ergo MKII, ERGO Slimline and Multi-axis stands	Short base, Long base with substage illumination (optional)
Ergonomic	✓			✓	✓	✓