

VIDEO INSPECTION SYSTEMS

KINEMIC™

KMR

KineMic™ video microscopes are a family of seven versatile and affordable inspection and vision metrology systems. They are ideal for receiving inspection, quality assurance, training, manufacturing, assembly, research, and documentation – wherever easy setup and a range of magnifications are required. Depending on the size of the parts to be measured, measurements can be all electronic within the field of view, or be integrated with stage motion for parts up to 8" (200mm).

FEATURES

- XGA models set the standard for quick setup and ease of use by not requiring a computer
- D1 and M3 models offer the power of a 24" color touch-screen monitor and PC with MetLogix™ inspection and metrology software
- LED surface and transmitted illumination
- Small footprint takes up minimal space

Our KMR systems line provide high performance for low cost. These machines are simple to operate without compromising performance.

With seven models to choose from, we can customize to your specific needs.

Call (949) 348-1213 for an exact quote.



KMR-200 with M3



KMR-FOV-M3-0.14x

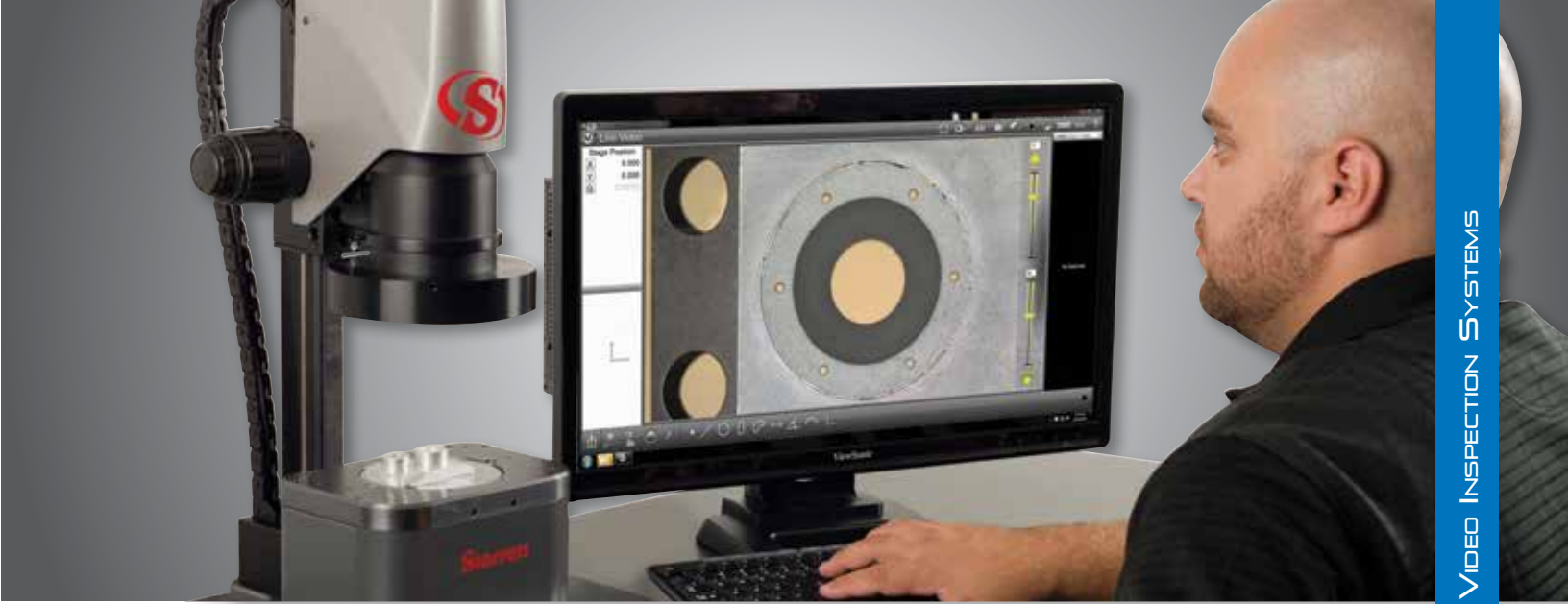
	KineMic XGA Zoom, Basic	KineMic XGA Zoom, 2 x 2 Stage	KineMic D1 Zoom	KineMic D1 Zoom, 2 x 2 Stage	KineMic M3 Zoom, FOV	KineMic M3 Telecentric, FOV	KineMic M3 Zoom, 4 x 8 Stage
Part Number	KMR-XGA	KMR-50-XGA	KMR-D1	KMR-50-D1	KMR-Zoom-M3	KMR-FOV-M3	KMR-200-M3
Optics	6.5:1 zoom	6.5:1 zoom	6.5:1 zoom	6.5:1 zoom	6.5:1 zoom	7 telecentric lenses	6.5:1 zoom
CCD Sensor	0.83 MPixel	0.83 MPixel	1.33 MPixel	1.33 MPixel	1.33 MPixel	2.02 MPixel	1.33 MPixel
Camera Interface	VGA cable	VGA cable	USB cable	USB cable	USB cable	USB cable	USB cable
Computer	N/A	N/A	PC	PC	PC	PC	PC
Software	N/A	N/A	MetLogix™ D1	MetLogix™ D1	MetLogix™ M3	MetLogix™ M3	MetLogix™ M3
Video Screen	19" XGA monitor	19" XGA monitor	24" touch-screen monitor with PC	24" touch-screen monitor with PC	24" touch-screen monitor with PC	24" touch-screen monitor with PC	24" touch-screen monitor with PC
Screen Resolution	1024 x 768	1024 x 768	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Magnification	0.7x to 4.5x zoom	0.7x to 4.5x zoom	0.7x to 4.5x zoom	0.7x to 4.5x zoom	0.7x to 4.5x zoom	Telecentric Lenses: Choice of 0.14x, 0.3x, 0.5x, 0.8x, 1.0x and 4.0x magnifications	0.7x to 4.5x zoom
Screen Magnification	31x to 200x	31x to 200x	31x to 200x	31x to 200x	31x to 200x	13x to 178x	31x to 200x
Auxiliary lenses	0.5x, 0.75x, 1.5x, 2x	0.5x, 0.75x, 1.5x, 2x	0.5x, 0.75x, 1.5x, 2x	0.5x, 0.75x, 1.5x, 2x	0.5x, 0.75x, 1.5x, 2x	N/A	0.5x, 0.75x, 1.5x, 2x
Field of view (X-axis)	1.4 to 9.0mm	1.4 to 9.0mm	1.4 to 9.0mm	1.4 to 9.0mm	1.4 to 9.0mm	1.8 to 24mm	1.4 to 9.0mm
X-Y Stage Motion	None	50 x 50 mm	None	50 x 50 mm	None	None	200 x 100 mm
Metrology Means	None	Micrometers	D1 software**	D1 software**	M3 FOV software	M3 FOV software	X and Y encoders
Measurement Resolution	N/A	1µm (.00005")	Up to 2µm*	1µm (.00005")	Up to 2µm*	Up to 2µm*	0.5µm (0.00002")
Meas. Accuracy	N/A	3µm per 25mm	Up to ±2.5µm*	3µm per 25mm	Up to ±2.5µm*	Up to ±2.5µm*	2.5µm + 5L/1000
Basic Stand	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Boom Stand	Optional	N/A	Optional	N/A	Optional	N/A	N/A
LED Back Light	Standard	Standard	Standard	Standard	Standard	Standard	Standard
LED Ring Light	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Lighting Control	Adjustment knobs	Adjustment knobs	Adjustment knobs	Adjustment knobs	Via M3 software	Via M3 software	Via M3 software

* These are best values. Actual values will depend on the zoom lens setting or selected telecentric lens.

**D1 software basic measurements are taken by manually positioning a cross-hair on the screen.

Disclaimer: Due to continual product improvements, specifications may change without notice.





KMR-50-D1



KMR-XGA



KMR-D1



KMR-FOV with M3



	KineMic XGA Zoom, Basic	KineMic XGA Zoom, 2 x 2 Stage	KineMic D1 Zoom	KineMic D1 Zoom, 2 x 2 Stage	KineMic M3 Zoom, FOV	KineMic M3 Telecentric, FOV	KineMic M3 Zoom, 4 x 8 Stage
Model Number	KMR-XGA	KMR-50-XGA	KMR-D1	KMR-50-D1	KMR-Zoom-M3	KMR-FOV-M3	KMR-200-M3
Video Inspection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Basic Dimensions	No	Manual LCD Micrometer	Yes - Manual	Manual LCD Micrometer	VED - FOV measurement	VED - FOV measurement	VED - FOV measurement
Geometric Constructs	No	No	No	No	Yes	Yes	Yes
Image Annotation	No	No	Yes	Yes	Yes	Yes	Yes
Image Archiving	No	No	Yes	Yes	Yes	Yes	Yes
Video Edge Detection	No	No	No	No	Yes	Yes	Yes

