Precision, Quality, Innovation

Starrett®

METROLOGY SYSTEMS

KMR SERIES
VIDEO INSPECTION MICROSCOPES

KMR ZOOM
KMR FOV-0.14X
KMR FOV-0.3X
KMR FOV-0.5X
KMR FOV-1.0X
KMR 200

KMR 200

KMR VIDEO INSPECTION SYSTEMS

*FLEXIBLE
*AFFORDABLE
*IDEAL FOR TRAINING
*MINIMAL SPACE REQUIRED
*PERFECT FOR QUICK CHECKS

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

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

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

KMR ZOOM

CLICK QR CODE TO VIEW KMR SERIES

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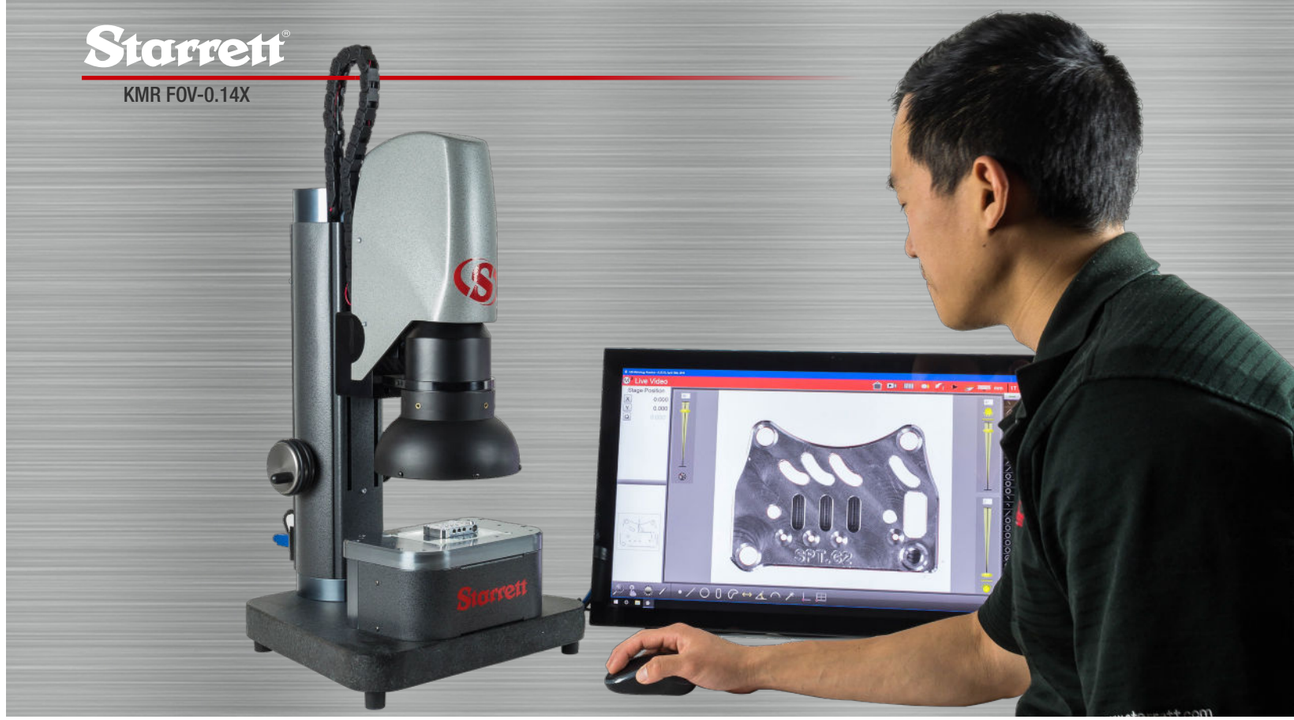

	KMR	KMR FOV-0.3x	KMR FOV-0.5x	KMR FOV-1.0x
Part Number	KMR-Zoom-M3	KMR-FOV-M3-0.3x	KMR-FOV-M3-0.5x	KMR-FOV-M3-1.0x
Optics	6.5:1 Zoom	Telecentric Lens	Telecentric Lens	Telecentric Lens
CCD Sensor	1.33 M Pixel	2.02 M Pixel	2.02 M Pixel	2.02 M Pixel
Camera Interface	USB Cable	USB Cable	USB Cable	USB Cable
Computer	PC	PC	PC	PC
Software	Metlogix ™ M3	Metlogix ™ M3	Metlogix ™ M3	Metlogix ™ M3
Video Screen	24" Touchscreen Monitor	24" Touchscreen Monitor	24" Touchscreen Monitor	24" Touchscreen Monitor
Screen Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Magnification	0.7x to 4.5x Zoom Lens	0.3x	0.5x	1.0x
Screen Magnification	31x to 200x	13x	22x	45x
Auxiliary lenses	0.5x, 2.0x	N/A	N/A	N/A
Field of view width	0.055" to 0.35" (1.4mm to 9.0mm)	0.93" (24 mm)	0.56" (14mm)	0.28" (7.1mm)
Field of view height	0.045" to 0.29" (1.1mm to 7.4mm)	0.76" (19mm)	0.46" (11mm)	0.23" (5.8mm)
X-Y Stage Motion	None	None	None	None
Metrology Means	M3 FOV Software	M3 FOV Software	M3 FOV Software	M3 FOV Software
Measurement Resolution	Up to 2µm*	Up to 2µm*	Up to 2µm*	Up to 2µm*
Meas. Accuracy	Up to ±2.5µm*	Up to ±2.5µm*	Up to ±2.5µm*	Up to ±2.5µm*
Basic Stand	Standard	Standard	Standard	Standard
Boom Stand	Optional	N/A	N/A	N/A
LED Back Light	Standard	Standard	Standard	Standard
LED Ring Light	Standard	Standard	Standard	Standard
Lighting Control	Via M3 Software	Via M3 Software	Via M3 Software	Via M3 Software
Video Inspection	Yes	Yes	Yes	Yes
Basic Dimensions	Yes, VED- FOV Stage Measurement	Yes, VED- FOV Stage Measurement	Yes, VED- FOV Stage Measurement	Yes, VED- FOV Stage Measurement
Geometric Constructs	Yes	Yes	Yes	Yes
Image Annotation	Yes	Yes	Yes	Yes
Image Archiving	Yes	Yes	Yes	Yes
Video Edge Detection	Yes	Yes	Yes	Yes

*These are best values. Actual values will depend on the zoom lens setting or the selected telecentric lens.
Disclaimer: Due to continual product improvements, specifications may change without notice.

Video Inspection Systems
KMR FOV-0.14X - LARGE FOV

The KMR-FOV 0.14 video based inspection and measurement system is ideal for receiving inspection, quality assurance, training, manufacturing assembly, research and documentation - wherever easy setup and operation is required. M3 models offer Field-Of-View measurement, powerful image processing and DXF imports for direct comparison to the work piece for accurate and repeatable measurements.

	KMR-FOV .14
Part Number	KMR-FOV-M3-0.14x
Optics	Telecentric Lens
CCD Sensor	5 M Pixel
Camera Interface	USB Cable
Computer	PC
Software	Metlogix ™ M3
Video Screen	24" Touchscreen Monitor
Screen Resolution	1920 x 1080
Lens Magnification	0.14x
Screen Magnification	4.7x
Auxiliary lenses	N/A
Field of view (width x height)	2.36" x 2 " (60mm x 51mm)
X-Y Stage Motion	None
Metrology Means	M3 FOV Software
Measurement Resolution	Up to 3µm*
Meas. Accuracy	Up to ±3µm*
Basic Stand	Milled
Boom Stand	N/A
LED Back Light	Narrow Angle
LED Ring Light	Dome
Lighting Control	Via M3 Software
Video Inspection	Yes
Basic Dimensions	Yes, VED- FOV Stage Measurement
Geometric Constructs	Yes
Image Annotation	Yes
Image Archiving	Yes
Video Edge Detection	Yes

Features & Specifications

- 0.14x Telecentric Lens
- Metlogix™ M3 software including Digital Comparator (DC)
- Color digital video camera
- PC with 24" touchscreen monitor
- LED ringlight and substage illumination
- Screen resolution 1920 x 1080
- Video edge detection

KMR FOV-0.14X

CLICK QR CODE TO VIEW KMR-FOV 0.14X

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Video Inspection Systems
KMR 200 - STAGE MOTION

The KMR-200-M3 video based inspection and measurement system is ideal for receiving inspection, quality assurance, training, manufacturing assembly, research and documentation - wherever easy setup and operation is required but with an X and Y travel option where stage movement is required. M3 models offer Field-Of-View measurement, powerful image processing and DXF imports for direct comparison to the work piece for accurate and repeatable measurements.

Features & Specifications

- Precision 8" x 4" (200 x 100mm) XY stage
- Metlogix™ M3 software including Digital Comparator (DC)
- Color digital video camera
- PC with 24" touchscreen monitor
- 6.5:1 zoom lens
- LED ringlight and substage illumination
- Screen resolution 1920 x 1080
- Auxiliary lens 0.5x and 2x
- Video edge detection

KMR 200

	KMR 200
Part Number	KMR-200-M3
Optics	6.5:1 Zoom
CCD Sensor	1.33 M Pixel
Camera Interface	USB Cable
Computer	PC
Software	Metlogix ™ M3
Video Screen	24" Touchscreen Monitor
Screen Resolution	1920 x 1080
Lens Magnification	0.7x to 4.5x Zoom Lens with magnification level feedback through M3 software.
Screen Magnification	31x to 200x
Auxiliary lenses	0.5x, 2x
Field of view width	0.055" to 0.35" (1.4mm to 9.0mm)
Field of view height	0.045" to 0.29" (1.1mm to 7.4mm)
X-Y Stage Motion	8" x 4" (200 x 100m)
Z Travel	5" (125mm)
Metrology Means	X and Y Encoders
Measurement Resolution	0.5µm (0.00002")
Meas. Accuracy	2.5µm + 5L/1000
Basic Stand	Standard
Boom Stand	N/A
LED Back Light	Standard
LED Ring Light	Standard
Lighting Control	Via M3 Software
Video Inspection	Yes
Basic Dimensions	Yes, VED- FOV Stage Measurement
Geometric Constructs	Yes
Image Annotation	Yes
Image Archiving	Yes
Video Edge Detection	Yes

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STARRETT METROLOGY LINES

OPTICAL COMPARATORS
HE400
HB400
HD400
VB300
VB400
HF600
HF750
VF600

VISION SYSTEMS
KMR SERIES
MVR SERIES
AVR SERIES
AVR-FOV
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AVX550
HDV SERIES
HVR 100 FLIP

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VIEW CATALOG 82

METROLOGY SYSTEMS

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