



KONICA MINOLTA

10x Microscope Lens

For High-Resolution Imaging of Small Features



Applications

- High-resolution imaging of extremely small features
- Evaluation of display pixels and pixel structures
- Evaluation of individual LEDs
- End-of-line measurement for quality control

Benefits

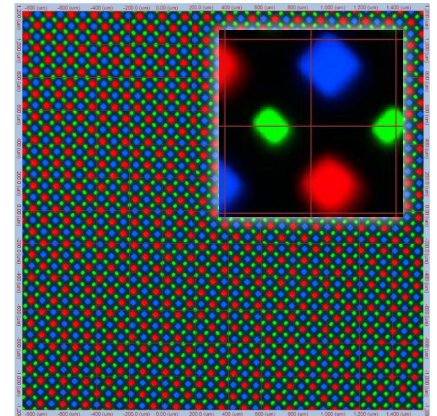
- Magnify details captured by high-resolution image sensors (up to 61 megapixels) for extended image resolution
- Capture display pixels and subpixels over several sensor pixels for increased measurement precision
- Combination of value, high performance, and flexibility

Key Features

- 10X microscope
- Pairs with ProMetric Imaging Colorimeters and Photometers
- Easy-to-use measurement control and analysis software

Image magnification solution for extremely high-resolution light and display testing

The Radiant 10x microscope lens enables high-resolution imaging of extremely small components and features--such as individual LEDs and display pixels--capturing a greater number of image sensor pixels per display pixel or component feature for fine-detail measurement. The lens mounts directly to a Radiant ProMetric® Imaging Colorimeter or Photometer, and features ProMetric or TrueTest™ Software for intuitive system setup and configurable automated measurement sequences. Extensive data analysis and display functions are also supported, including isometric plots, cross-sectional graphs, radar plots, and bitmaps.



OLED phone measured with ProMetric Imaging Colorimeter.

Specifications

Parameter	Microscope Lens (10X)				
Primary Application	High-resolution measurement of small display & component features				
Magnification	10.0				
Working Distance	20 mm (to front of lens)				
Working F Number	F/33.5				
Numerical aperture	0.15				
Paired Radiant camera	I2	I8	I29	I16-G or Y16-G	I61 or Y61
Approx. Field of View	0.8 x 0.6 mm	1.8 x 1.4 mm	3.6 x 2.4 mm	1.5 x 0.8 mm	3.6 x 2.4 mm
Spatial Resolution per sensor pixel	0.55µm			0.27µm	0.37 µm
Measurement Capabilities	Luminance, Radiance, Luminous Intensity, Radiant Intensity, Power, Radiant Flux, CIE Chromaticity Coordinates, Correlated Color Temperature (CCT)				
Dimensions	Length: 330 mm Maximum diameter: 70 mm				

Specifications subject to change without notice. Color measurement available with I-series only.

Contact Support for other F/# and NA options

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For general inquiries or technical support, please visit the Contact page on our website.
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