KONICA MINOLTA

5x Microscope Lenses

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

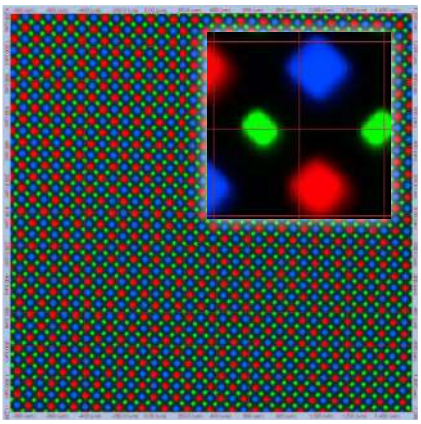
- Magnify details captured by high-resolution image sensors (up to 61 megapixels) for extended image resolution
- Capture display pixels and subpixels over several sensor pixels for increased measurement precision
- Combination of value, high performance, and flexibility

Key Features

- 5X 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 5x 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 (5X)					
Primary Application	High-resolution measurement of small display & component features					
Magnification	4.8					
Working Distance	40 mm (to front of lens)					
Working F Number	F/16.9					
Numerical aperture	0.15					
Paired Radiant camera	I2 or Y2	I8	I16 or Y16	I29or Y29	I16-G or Y16-G	I61 or Y61
Approx. Field of View	1.8 x 1.3 mm	3.7 x 2.8 mm	5.5 x 3.7 mm	7.4 x 4.9 mm	3.0 x 1.7 mm	7.4 x 4.9 mm
Spatial Resolution per sensor pixel	1.10 µm				0.57 µm	0.74 µm
Measurement Capabilities	Luminance, Radiance, Luminous Intensity, Radiant Intensity, Power, Radiant Flux, CIE Chromaticity Coordinates, Correlated Color Temperature (CCT)					
Dimensions	Length: 90 mm | Maximum diameter: 64.3 mm					
Weight	0.4 kg					

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

Contact Radiant for other F/# and NA options

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