

Near-infrared radiation range objectives
for bright field observation

M Plan Apo NIR B 20×/50×

*Excellent observation, machining performance and operability.
Leave nothing to be desired*



Optical Measuring



Catalog No. E14015

Mitutoyo



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FEATURES

- Optical performance has been renewed, realizing clear observation in visible to near-infrared ranges*. *Supports wavelengths 420 to 1100nm
- Realizes high transmittance with YAG laser wavelengths 532nm and 1064nm, enabling additional machining efficiency improvements.
- Super-long working distance of 25.5mm (for 20X and 50X), the longest among NIR series, dramatically improves operability.



SPECIFICATIONS

	NIR B 20×(No.378-867-5)	NIR B 50×(No.378-868-5)	Earlier model NIR 20×(No.378-824-5)	Earlier model NIR 50×(No.378-825-5)
Application	Laser cutting and visible light and infrared microscopy		Laser cutting and visible light and infrared microscopy	
Wavelength regions (nm)	Visible range to near-infrared range Supported wavelengths: 420~1100		Visible range to near-infrared range Supported wavelengths: 480 ~ 1800	
Parfocal length (mm)	95			
Numerical aperture (NA)	0.40	0.42	0.40	0.42
Real FOV	ø1.2	ø0.48	ø1.2	ø0.48
Working distance (mm)	25.5		20.0	17.0
Dimensions (mm)	ø37× 69.5		ø34×75	ø34×78

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Coordinate Measuring Machines

Vision Measuring Systems

Form Measurement

Optical Measuring

Sensor Systems

Test Equipment and
Seismometers

Digital Scale and DRO Systems

Small Tool Instruments and
Data Management

Note: All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this pamphlet, as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make changes to the corresponding designs, dimensions and weights. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. Only quotations submitted by ourselves may be regarded as definitive. Our products are classified as regulated items under Japanese Foreign Exchange and Foreign Trade Law. Please consult us in advance if you wish to export our products to any other country. If the purchased product is exported, even though it is not a regulated item (Catch-All controls item), the customer service available for that product may be affected. If you have any questions, please consult your local Mitutoyo sales office.