

20X T1.1 Mitutoyo LCD Plan Apo NIR Infinity Corrected Objective

#37-550



Mitutoyo NIR, NUV, and UV LCD Infinity Corrected Objectives는 표준 M Plan Apo 및 M Plan Apo SL 시리즈 대물렌즈의 장점에 향상된 스펙트럼 범위가 결합된 제품입니다. NIR 대물렌즈는 480 - 1800nm에서 보정 처리가 되어, 반도체 및 통신 검사나 상용 Nd:YAG 레이저를 사용한 레이저 커팅에 이상적으로 사용할 수 있습니다. HR 시리즈는 개구수(NA)가 증가하여, 보다 작은 스폿 크기와 더 높은 해상도를 제공합니다. Mitutoyo NIR, NUV, and UV LCD Infinity Corrected Objectives는 일반 LCD 글래스의 두께에 대한 보정 기능이 있습니다. Mitutoyo NIR, NUV, and UV LCD Infinity Corrected Objectives는 각각 532nm, 355nm, 266nm의 2차, 3차, 4차 YAG 고조파에서 뛰어난 성능을 발휘합니다.

General

Model Number:	378-827-5
Compatible Tube Lens Focal Length (mm):	Focal Length: 200mm
Type:	Microscope Objective
Style:	Infinity Corrected
Manufacturer:	Mitutoyo
Note:	1.1mm thick LCD cover-glass Example Application: High magnification inspection through liquid crystal glass (LCD) or cutting and trimming of semiconductor wafer and circuits

Physical & Mechanical Properties

Length excluding Threads (mm):	75.00
Maximum Diameter (mm):	34
Weight (g):	305.00

Optical Properties

Compatible Cover Glass Thickness (mm):	1.1
Design Wavelength DWL (nm):	532, 1064
Horizontal Field of View, 1/2" Sensor:	0.32mm
Horizontal Field of View, 2/3" Sensor:	0.44mm
Focal Length FL (mm):	10.00
Magnification:	20X
Numerical Aperture NA:	0.40
Resolving Power (μm):	0.7
Depth of Field (μm):	1.70
Field of View, 24 Diameter Field Eyepiece (mm):	1.2
Field of View, 18 Diameter Field Eyepiece (mm):	0.9
Working Distance (mm):	19.98
Wavelength Range (nm):	480 - 1800
Parfocal Length (mm):	95.37
Immersion Liquid:	N/A

Sensor

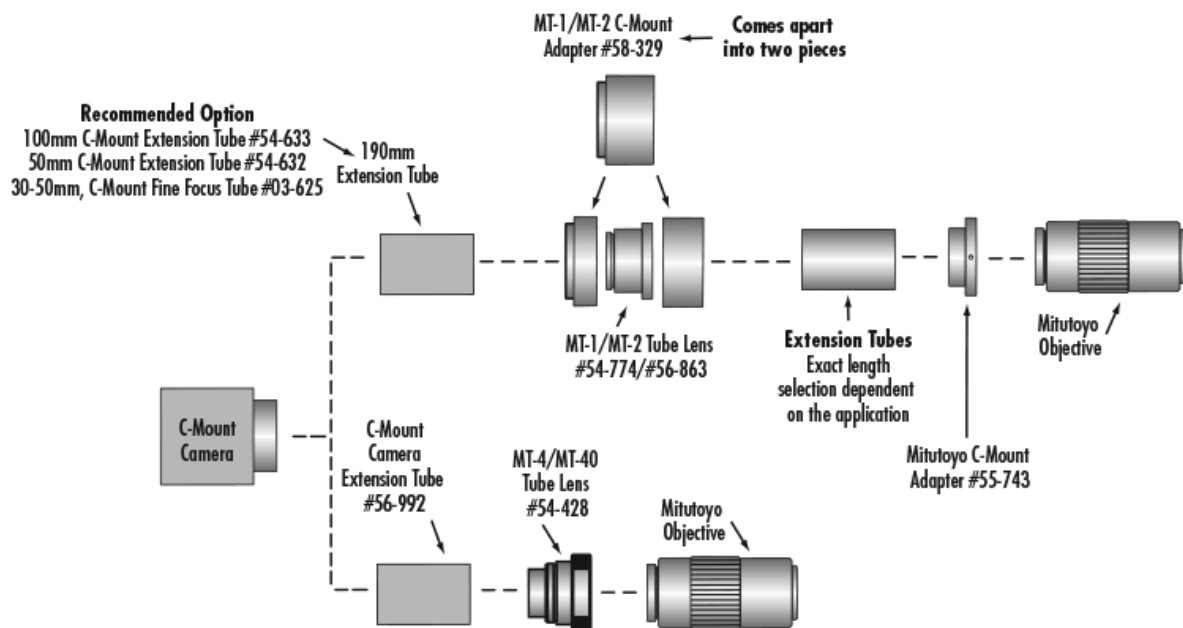
Maximum Sensor Format:	2/3"
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Threading & Mounting

Mounting Threads:	M26 x 36 TPI
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Environmental & Durability Factors

Operating Temperature (°C):	-5 to +45
Operating Humidity:	20 - 80%
Performance Assurance Temperature (°C):	23 ±2





June 21, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
37-550	20X T1.1 Mitutoyo LCD Plan Apo NIR Infinity Corrected Objective

This item is EU RoHS (2015/863/EU) exempt based on **Exemption 6c**: Copper alloy containing up to 4% lead by weight.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.

Jay Budd, Director of Corporate Compliance
June 21, 2025Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com

June 21, 2025

재고 번호	제품설명
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Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations



June 21, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
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This item contains substances listed on the REACH SVHC list as of 27 June 2024 in quantities exceeding 0.1% weight by weight, please contact compliance@edmundoptics.com if you require more information.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance
June 21, 2025

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