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Standard w/ In-Line Assembly (Optimized at 10X+), InfiniTube

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Standard (with no In-Line Attachment), InfiniTube, #56-125



Stock **#54-590** **3 In Stock**

-

1

+

C\$3,458⁰⁰

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Volume Pricing	
Qty 1+	C\$3,458.00 each
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General	
Model Number:	
InfiniTube™ Standard 1X& Collector II	
Type:	
Fixed Magnification Lens	
Type of Illumination:	
In-Line Illumination	

Optical Properties	
Refractive Index	1.50
Transmittance (%)	92
Absorbance (nm)	250-350
Fluorescence (nm)	380-450

Objective Required	Primary Magnification PMAG
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Threading & Mounting

C-Mount **Mount:**

Regulatory Compliance	
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Regulatory Compliance	
GDPR Compliance	2023-10-26
ISO 27001 Audit	2023-11-05
Financial Reporting	2023-11-15
Environmental Impact	2023-11-20
Health & Safety	2023-11-25
Anti-Money Laundering	2023-12-01
Consumer Protection	2023-12-05
Product Liability	2023-12-10
Intellectual Property	2023-12-15
Export Controls	2023-12-20
Sanctions Screening	2023-12-25
Anti-Corruption	2024-01-01
Whistleblower Policy	2024-01-05
Record Retention	2024-01-10
Disaster Recovery	2024-01-15
Business Continuity	2024-01-20
Insurance Coverage	2024-01-25
Legal Counsel	2024-02-01
Regulatory Updates	2024-02-05
Compliance Training	2024-02-10
Internal Controls	2024-02-15
External Audits	2024-02-20
Regulatory Filings	2024-02-25
Public Disclosure	2024-03-01
Stakeholder Engagement	2024-03-05
Investor Relations	2024-03-10
Media Relations	2024-03-15
Community Outreach	2024-03-20
Government Relations	2024-03-25
Industry Associations	2024-04-01
Trade Shows	2024-04-05
Networking Events	2024-04-10
Charitable Contributions	2024-04-15
Philanthropy	2024-04-20
Corporate Social Responsibility	2024-04-25
Environmental Sustainability	2024-05-01
Social Responsibility	2024-05-05
Human Rights	2024-05-10
Anti-Discrimination	2024-05-15
Equal Opportunity	2024-05-20
Employee Relations	2024-05-25
Union Relations	2024-06-01
Labor Laws	2024-06-05
Workplace Safety	2024-06-10
Occupational Health	2024-06-15
Employee Benefits	2024-06-20
Retirement Plans	2024-06-25
Health Insurance	2024-07-01
Life Insurance	2024-07-05
Disability Insurance	2024-07-10
Employee Stock Options	2024-07-15
Executive Compensation	2024-07-20
Board of Directors	2024-07-25
Shareholders	2024-08-01
Annual General Meeting	2024-08-05
Dividend Payments	2024-08-10
Share Repurchases	2024-08-15
Debt Issuance	2024-08-20
Equity Financing	2024-08-25
Banking Relationships	2024-09-01
Financial Institutions	2024-09-05
Insurance Providers	2024-09-10
Legal Firms	2024-09-15
Accounting Firms	2024-09-20
Consulting Firms	2024-09-25
Marketing Agencies	2024-10-01
Public Relations	2024-10-05
Advertising	2024-10-10
Media	2024-10-15
Journalists	2024-10-20
Broadcasters	2024-10-25
Internet Service Providers	2024-11-01
Telecommunications	2024-11-05
Cloud Providers	2024-11-10
Software Vendors	2024-11-15
Hardware Suppliers	2024-11-20
Manufacturers	2024-11-25
Distributors	2024-12-01
Retailers	2024-12-05
Wholesalers	2024-12-10
Logistics	2024-12-15
Shipping	2024-12-20
Customs	2024-12-25
Tax Authorities	2025-01-01
Regulatory Bodies	2025-01-05
Government Agencies	2025-01-10
Law Enforcement	2025-01-15
Intelligence Community	2025-01-20
Foreign Embassies	2025-01-25
Consulates	2025-02-01
Trade Missions	2025-02-05
Government Contractors	2025-02-10
Defense Contractors	2025-02-15
Space Agencies	2025-02-20
Environmental Agencies	2025-02-25
Health Agencies	2025-03-01
Educational Institutions	2025-03-05
Research Centers	2025-03-10
Think Tanks	2025-03-15
Policy Institutes	2025-03-20
Academic Societies	2025-03-25
Professional Associations	2025-04-01
Trade Unions	2025-04-05
Industry Groups	2025-04-10
Non-Profit Organizations	2025-04-15
Charitable Foundations	2025-04-20
Religious Organizations	2025-04-25
Political Parties	2025-05-01
Interest Groups	2025-05-05
Lobbying Firms	2025-05-10
Public Affairs	2025-05-15
Government Relations	2025-05-20
Public Policy	2025-05-25
Legislation	2025-06-01
Regulation	2025-06-05
Compliance	2025-06-10
Enforcement	2025-06-15
Adjudication	2025-06-20
Litigation	2025-06-25
Arbitration	2025-07-01
Mediation	2025-07-05
Dispute Resolution	2025-07-10
Legal Services	2025-07-15
Legal Education	2025-07-20
Legal Research	2025-07-25
Legal Writing	2025-08-01
Legal Analysis	2025-08-05
Legal Opinion	2025-08-10
Legal Advice	2025-08

Compliant RoHS 2015:

Compliant

Reach 224:

[View](#) Certificate of Conformance:

Product Details

- Direct to Video C-Mount for 2/3" and Smaller Sensor Cameras ([InfiniTube™ FM Series](#) for 1/2")
- [Mitutoyo](#) and [Achromid™](#) Objectives Sold Separately
- Internal Focusing
- See Description Tab for Required Components

- This in-line assembly unit is used to mount **Mitutoyo** or **Achrovid™** long working-distance objectives to C-mount cameras, yielding magnifications not possible with ordinary video lenses, such as 50X magnification. The InfiniTube™ system can be configured in a variety of fashions. It can be utilized alone (InfiniTube™ Standard **#56-125**) for applications where illumination is provided from another source such as a backlight or directional illumination.

The first in-line attachment (**#56-126**) has been designed for high performance with objectives having a magnification of 10X or below and is not suggested for use with higher magnification objectives. The second in-line unit (**#56-191**) has been designed to work with increased efficiency when used with magnifications of 10X or higher, but can be utilized with all magnifications. An InfiniTube™ In-line Assembly (**#54-590**) is also offered, comprised of the InfiniTube™ Standard and the higher magnification in-line attachment. This Assembly can be used with all magnifications. A filter holder, which attaches to the InfiniTube™ itself, can be added to the systems to introduce 25mm diameter filters. These lenses are commonly used in microscopy and wafer inspection.

By utilizing an in-path beamsplitter and side-port illumination tube with collimating optics, the In-Line Assembly (#54-590) provides incident illumination parallel to the optical axis (coaxial). Coaxial illumination requires an optional [Fiber Optic Illuminator](#) and a 1/4" diameter [Fiber Optic Light Guide](#).

The RMS adapter ([#53-786](#)) is required to connect [#58-538](#) to the Zeiss ICS objectives. Since even the slightest vibration will affect such small fields-of-view seen with the InfiniTube™ we recommend [vibration isolation equipment](#) when using objectives greater than 10X in magnification. We also recommend the use of a focusing mechanism (such as the Rack and Pinion Movement mount [#54-794](#)) when using the lens alone.

Mounting clamp (#57-788) is included with #54-590, #56-125 and #58-538. Note that an objective, objective adapter, light guide, and illuminator are not included.

Technical Information



#54-562

Item	Stock No.
InfiniTube In-Line Assembly Unit	#54-590
Hitachi KP-D20B Camera	#55-837
15.1" LCD Monitor (US Version Only)	#56-522
Y-C Cable (6 ft.)	#39-255
Mitutoyo/Achrovid™ Objective Adapter	#53-787
M-150 Fiber Optic Illuminator	#55-718
Fiber Optic Light Guide (48" L)	#39-367
Fiber Optic Adapter	#38-944
Standard Boom Stand	#54-120
Rack & Pinion Mounting Plate	#54-123