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InfiniTube for Zeiss Objectives

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

Stock **#58-538** CONTACT US

- 1 + **€1.300**.00

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Volume Pricing	
Qty 1+	**€1.300,00** each
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Product Downloads

General

Model Number:
InfiniTube™ Z

Type:
Lens Accessory

Threading & Mounting

Mount:
C-Mount

Regulatory Compliance

RoHS 2015:	Reach 224:	Certificate of Conformance:
Compliant	Compliant	View

Product Details

- Direct to Video C-Mount for 2/3" and Smaller Sensor Cameras (**InfiniTube™ FM Series** for ½")
- **Mitutoyo** and **Achrovid™** 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 ¼" diameter **Fiber Optic Light Guide**.

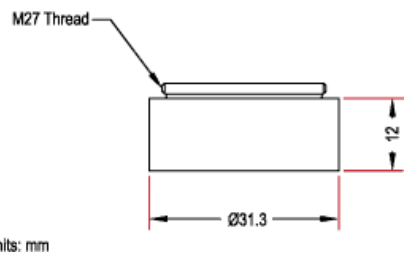
A version of the InfiniTube™ is specifically designed only for Zeiss ICS-corrected objectives (**#58-538**, 160mm tube lens design). Shorter than the Standard model, this model has color-compatible correction for use exclusively with Zeiss ICS objectives. The RMS adapter (**#53-786**) is required to connect **#58-538** to the Zeiss EC Plan-Neofluar® objectives.

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 that 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.

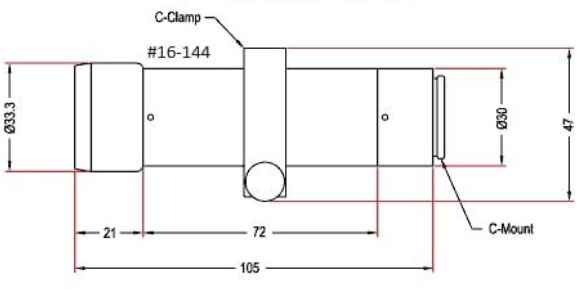
Technical Information

Infinitube™ Filter Holder



Units: mm

Infinitube™ Standard



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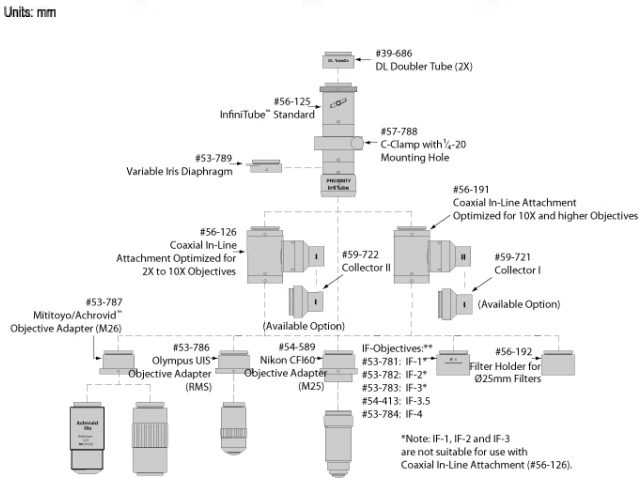
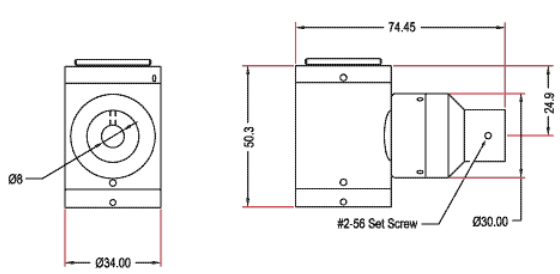


Infinitube™ In-Line Attachment



Units: mm

#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**
MI-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**

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