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Z-Axis Manual Focus Unit for Mitutoyo Video Microscope Unit

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Stock **#71-011** 1 In Stock

-

1

+

€4.300⁰⁰

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Physical & Mechanical Properties	
50	Travel (mm):
2900	Weight (g):
17.4	Load Capacity (kg):

Regulatory Compliance

Exempt

View

Contains SVHC(s)

- Designed for M26 x 36 TPI or M40 x 36 TPI **Infinity Corrected Objectives**
- Maximum Sensor Size up to 2/3" or APS-C
- Vertical and Horizontal Orientations, Brightfield and Darkfield Configurations Available
- In-Line Fiber Illumination Port Compatible with 8mm or 1/4" (0.312") Diameter Ferrules

The Mitutoyo VMU is available in standard (for 2/3" format sensors) and widefield (for APS-C format sensors) with options for the camera port to be oriented at 90 or 180 degrees with respect to the objective. In addition to broadband versions, the VMU is also available in a specialized Nd:YAG Laser Line configuration, supporting 355, 532, and 1064nm lasers, as well as versions specifically designed for Darkfield Microscopy. Mitutoyo Video Microscope Units (VMU) utilize optics optimized for the NUV, VIS, or NIR spectra, making them ideal and directly compatible with a wide selection of [Mitutoyo infinity corrected objectives](#).

Mitoyo Manual Turrets are available for each VMU configuration. They feature four objective mounts which enable quick transition between multiple objectives of different magnifications. Pairing the turret with the VMU creates a flexible video imaging microscope system.

Technical drawings of the Bright/Dark Field, Wide-FOV Video Microscope, showing front and side views with dimensions and labels.

Front View Dimensions and Labels:

- Overall height: 380.2
- Top section height: 46.5
- Image Position: 60
- Distance from top to image position: 32
- Distance from image position to fiber mounting position: 83.5
- Fiber Mounting Position: 285.2
- Distance from fiber mounting position to objective mount: 164.2
- Objective Mount: 50
- Objective (Optional): 95
- Practical Length: 146.2
- Workpiece Surface: 32
- Labels: F-Mount, 4-Max 0.7 depth 6 Same position and number on the other side, Fiber Mounting Position, Objective Mount, Objective (Optional)

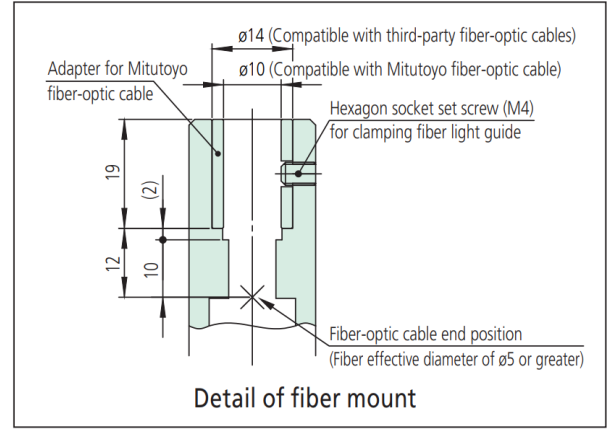
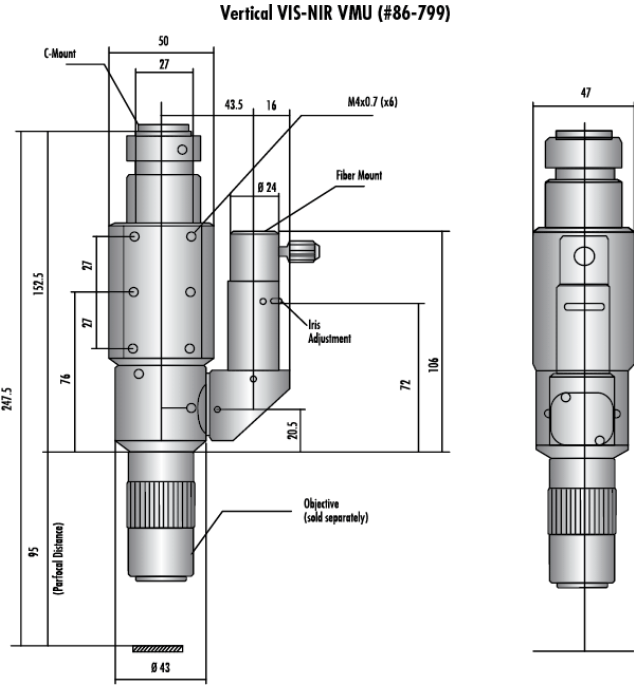
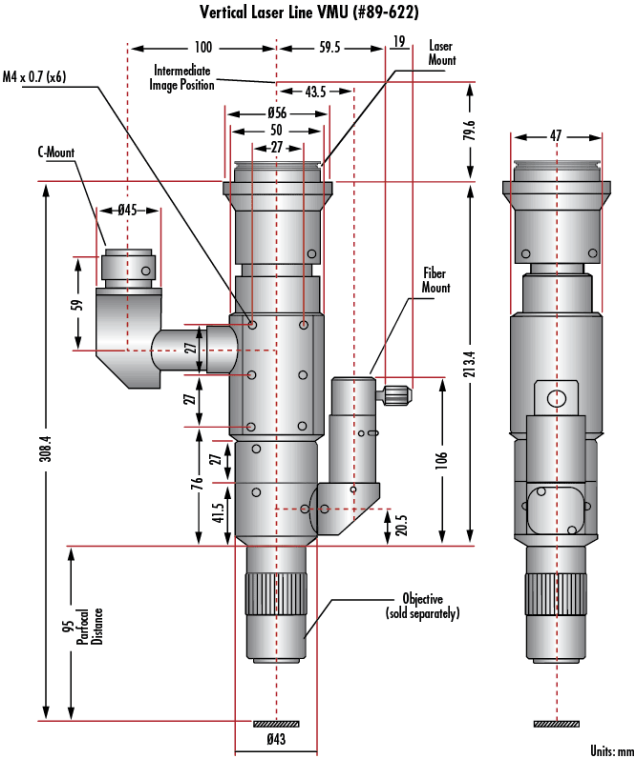
Side View Dimensions and Labels:

- Overall height: 426.7
- Top section height: 3
- Distance from top to fiber mounting position: 64
- Workpiece Surface: 121.0
- Labels: Fiber Mounting Position, Hexagon Socket Set Screw (M4) for clamping fiber light guide, Fiber Edge Position

Fiber Mounting Portion Detail:

- Overall height: 19
- Distance from top to fiber edge position: 2
- Distance from fiber edge position to workpiece surface: 121.0
- Labels: Fiber Spacing, Ø14, Ø10

[illegible]



Mitutoyo Video Microscope Unit (VMU) and Mitutoyo Turret						
Wavelength Range:	VIS-NIR		NUV-VIS-NIR Nd:YAG 355/532/1064nm	VIS-NIR-SWIR Widefield Hi-Res	VIS Widefield BD	
Type:	Brightfield		Brightfield	Brightfield	Brightfield/Darkfield	
Orientation:	Vertical	Horizontal	Vertical	Vertical	Vertical	Horizontal
Model:	378-505	378-506	378-507	378-519	378-517	378-518
Tube Lens Magnification:	1X		1X	1X	1X	
Camera Mount:	C-Mbunt		C-Mbunt	F-Mbunt or C-Mbunt w/included adapter	F-Mbunt or C-Mbunt w/included adapter	
Objective Mount:	M26 x 36 TPI		M26 x 36 TPI	M26 x 36 TPI	M40 x 36 TPI	
Max. Sensor Format:	2/3"		2/3"	APS-C	APS-C	
Weight:	570g	590g	980g	1400g	2150g	
Stock Number:	#86-799	#89-621	#89-622	#23-338	#18-653	
Manual Turret (Four Objective Mounts):	#86-589		#86-589	#18-654	#18-655	
Compatible Objectives:	MPlan Apo/HR/SL and G Plan Apo		MPlan Apo/HR/SL and MPlan NIR/NUV	MPlan Apo/HR/SL G Plan Apo MPlan Apo NIR	BD Plan Apo	
VMU-L Laser Mount to C-Mount Adapter:	N/A		#37-044	N/A	N/A	

