

Manual Turret for Mitutoyo Widefield Video Microscope Unit

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Stock **#18-654** 1 In Stock

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1

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S\$1,645^{.00}

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General	
378-724	Model Number:
Microscope Accessory	Type:
Mitutoyo	Manufacturer:
Compatible with #34-547 and #18-651	Note:
Physical & Mechanical Properties	

Weight (g):

Objective Mounts: (4) M26 x 36 TPI

Exempt

RoHS 2015:

Certificate of Conformance:

Contains SVHC(s)

REACH 241:

- 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](#).

Multitoy 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 Horizontal VIS-NIR VMU (#89-621) showing front, side, and detail views with dimensions in millimeters.

Front View Dimensions:

- Overall width: 63 mm
- Distance from centerline to fiber mount: 59.5 mm
- Distance from centerline to objective: 19 mm
- Distance from centerline to fiber mount: 50 mm
- Distance from centerline to fiber mount: 27 mm
- Distance from centerline to fiber mount: 43.5 mm
- Distance from centerline to fiber mount: 27 mm
- Distance from centerline to fiber mount: 27 mm
- Distance from centerline to fiber mount: 76 mm
- Distance from centerline to fiber mount: 20.5 mm
- Distance from centerline to fiber mount: 106 mm
- Distance from centerline to fiber mount: 95 mm
- Distance from centerline to fiber mount: 208.5 mm
- Distance from centerline to fiber mount: 113.5 mm
- Distance from centerline to fiber mount: 89.5 mm
- Distance from centerline to fiber mount: 76 mm
- Distance from centerline to fiber mount: 20.5 mm
- Distance from centerline to fiber mount: 106 mm
- Distance from centerline to fiber mount: 95 mm
- Distance from centerline to fiber mount: 208.5 mm

Side View Dimensions:

- Overall height: 47 mm

Detail View Dimensions:

- Hexagon Socket Set Screw (M4) for clamping fiber light guide
- Fiber Edge Position
- Fiber Mounting Portion
- Fiber Spacing: $\varnothing 14$ mm
- Fiber Spacing: $\varnothing 10$ mm
- Distance from centerline to fiber mount: 19 mm
- Distance from centerline to fiber mount: 2 mm
- Distance from centerline to fiber mount: 12 mm
- Distance from centerline to fiber mount: 10 mm

Labels:

- IMAGE POSITION
- F-Mount
- 4-M $\times$ 0.7 depth 6
- Same position and number on the other side
- Fiber Mounting Position
- Objective Mount
- Objective (Optional)
- WORKPIECE SURFACE
- Horizontal VIS-NIR VMU (#89-621)
- Units: mm



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-Mount		C-Mount	F-Mount or C-Mount w/included adapter	F-Mount or C-Mount 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	

