

Motorized Turret for Mitutoyo Video Microscope Unit w/ Controller

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1

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€6.800⁰⁰

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General

Manufacturer:

Mitutoyo

Physical & Mechanical Properties

Weight (g):

1000

Regulatory Compliance

Exempt

View

Contains SVHC(s)

- Designed for M26 x36 TPI or M40 x36 TPI **Infinity Corrected Objectives**
- Maximum Sensor Size up to 2/3" or APS-C
- Vertical and Horizontal Orientations, Brightfield and Darkfield Configuration
- In-Line Fiber Illumination Port Compatible with 8mm or 1/4" (0.312") Diameter

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: 320.2

Side View Dimensions and Labels:

- Overall height: 426.7
- Top section height: 3
- Distance from top to fiber mounting position: 64
- Workpiece Surface: 0

Fiber Mounting Portion Detail:

- Fiber Spots: $\varnothing 14$
- Fiber Edge Position: $\varnothing 10$
- Hexagon Socket Set Screw (M4) for clamping fiber light guide
- Fiber Edge Position: 19
- Distance from fiber edge position to workpiece surface: 2
- Distance from fiber edge position to workpiece surface: 12.1



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	

