

Mitutoyo VMU Widefield VMU-HR

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Mitutoyo VMU Widefield VMU-HR (#23-338) with 20X Mitutoyo Plan Apo NIR Infinity Corrected Objective (#46-404) - Sold Separately

Stock **#23-338** 1 In Stock

-

1

+

€11.554^{.00}

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Note: This item requires accessories for use | [Learn More](#)

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SPECIFICATIONS

General

378-519

Model Number:

VS-NIR-SWR	Range:
Vertical Mount, Brightfield, Widefield, erect image	Type:
Mtutoyo	Manufacturer:
Compatible Objectives: M Plan Apo/HR/SL, G Plan Apo, and M Plan Apo/HR/SL, M Plan Apo NIR	
Note: Feature integrated in-line telecentric illumination port with diaphragm; included accessories: C-Mount adapter for camera port, LED adapter and fiber adapter for illumination port	
Physical & Mechanical Properties	
1400	Weight (g):
Optical Properties	
1X	Magnification:
436 - 1800	Wavelength Range (nm):
16.8	Entrance Pupil Diameter (mm):
Sensor	
APS-C	Maximum Sensor Format:
Threading & Mounting	
F-Mount or C-Mount w/ included adapter	Mount:
Objective Mounts: M26 x36 TPI	Mounting Threads:
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

PRODUCT DETAILS

- 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 Configurations Available
- In-Line Fiber Illumination Port Compatible with 8mm or 1/4" (0.312") Diameter Ferrules

The Mtutoyo Video Microscope Units (VMU) are used to connect [infinity corrected objectives](#) to a [C-mount or F-mount camera](#) for quick and easy setup of microscopy systems. Providing 1X magnification, the Mtutoyo Video Microscope Unit (VMU) features an in-line illumination port for maximum contrast and simple illumination compared to epi-illumination techniques. The Brightfield VMU configurations are fitted with an adjustable iris to control light throughput without adjusting camera shutter or gain.

The Mtutoyo 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. Mtutoyo 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](#).

Mitutoyo 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 INFORMATION

Technical drawing showing the C-mount and Fiber Mount configurations of the camera module. Dimensions are in mm.

C-Mount Dimensions:

- Mounting Hole Diameter: $\text{Ø}35$
- Mounting Hole Pitch: 113.5
- Mounting Hole Spacing: 63, 59.5, 19
- Mounting Hole Diameter: $\text{Ø}43$
- Mounting Hole Pitch: 106
- Mounting Hole Spacing: 50, 27, 43.5
- Mounting Hole Diameter: $\text{Ø}27$
- Mounting Hole Pitch: 76
- Mounting Hole Spacing: 20.5
- Mounting Hole Diameter: $\text{Ø}43$
- Mounting Hole Pitch: 95
- Mounting Hole Spacing: 208.5

Fiber Mount Dimensions:

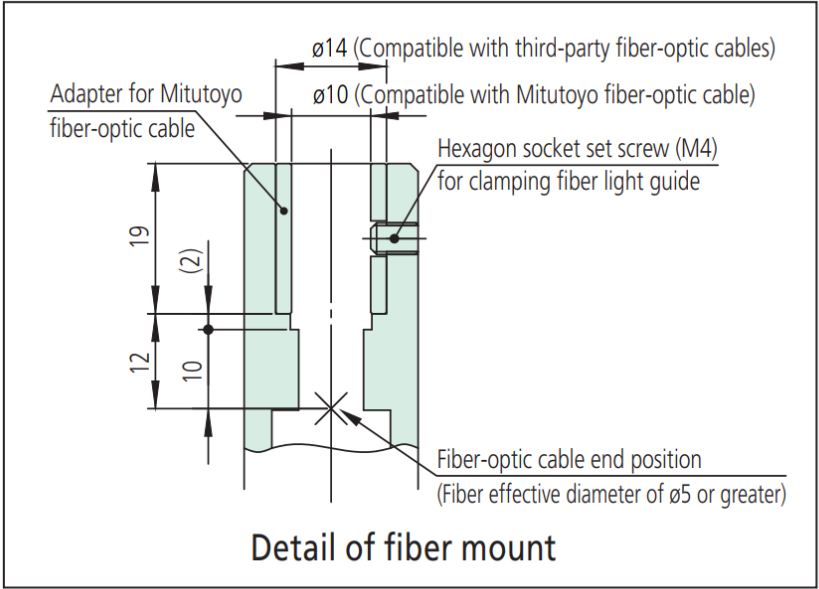
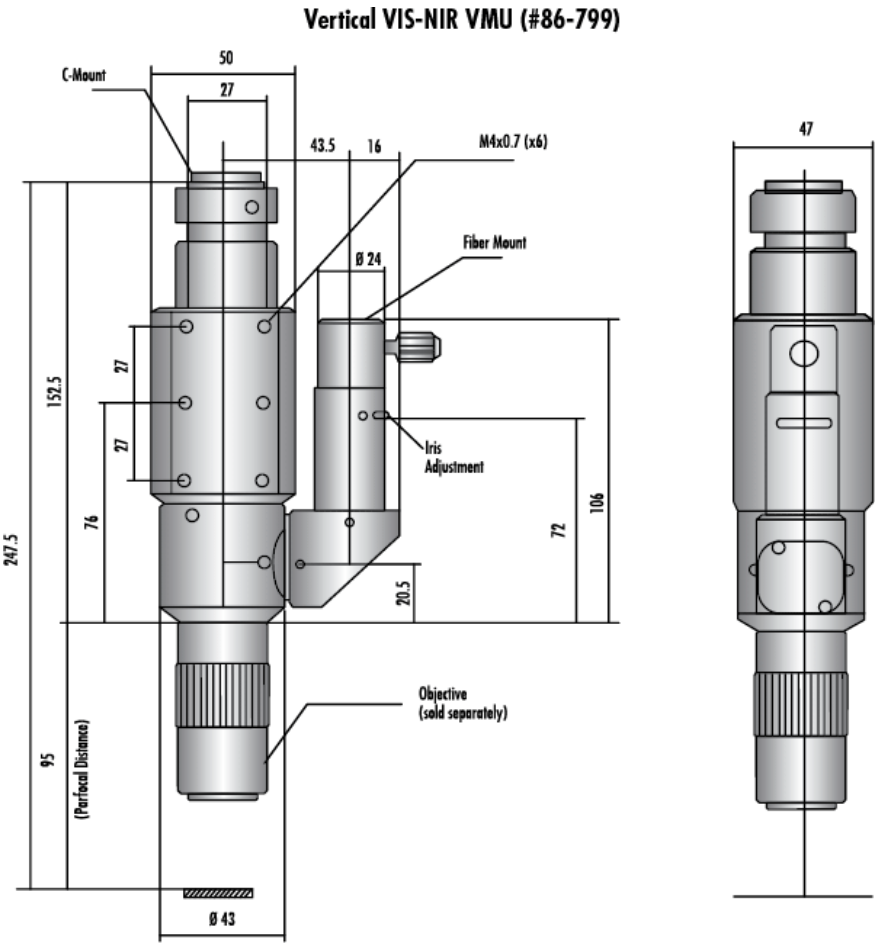
- Mounting Hole Diameter: $\text{Ø}43$
- Mounting Hole Pitch: 106
- Mounting Hole Spacing: 47

Labels:

- C-Mount
- Fiber Mount
- Objective (sold separately)

Units: mm

[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-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:	M Plan Apo/HR/SL and G Plan Apo		M Plan Apo/HR/SL and M Plan NIR/NUV	M Plan Apo/HR/SL G Plan Apo M Plan Apo NIR	BD Plan Apo	
VMU-L Laser Mount to C-Mount Adapter:	N/A		#37-044	N/A	N/A	