

# Brightfield/Darkfield Motorized Turret for Mitutoyo Widefield Video Microscope Unit

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#89-622 + Objective



Stock **#71-015** [CONTACT US](#)

-

1

+

£4,792<sup>00</sup>

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Product Downloads

| General          |                        |
|------------------|------------------------|
| 378-727-11       | Model Number:          |
| Mitutoyo         | Manufacturer:          |
| 378-505, 378-506 | Compatible Objectives: |

## Physical & Mechanical Properties

|     |             |
|-----|-------------|
| 755 | Weight (g): |
|-----|-------------|

## Regulatory Compliance

|        |            |
|--------|------------|
| Exempt | RoHS 2015: |
|--------|------------|

[View](#) **Certificate of Conformance:**

|                  |            |
|------------------|------------|
| Contains SVHC(s) | REACH 241: |
|------------------|------------|

## Product Details

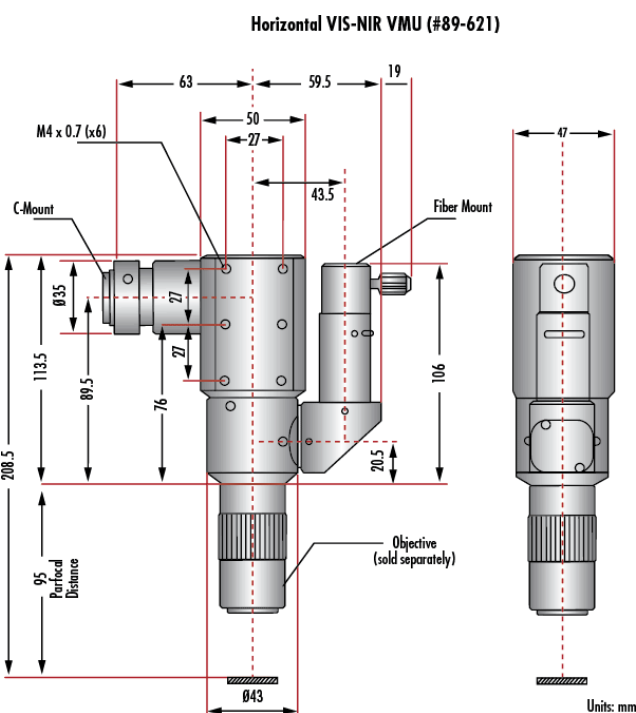
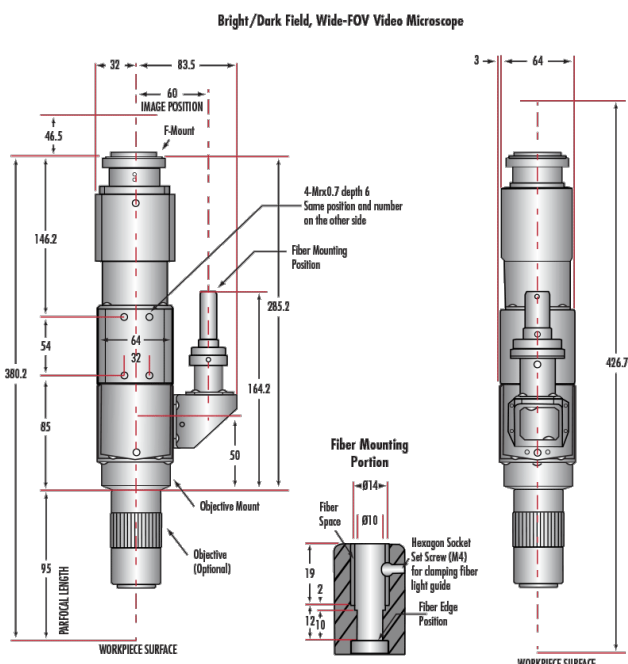
- Designed for M26 x36 TPI or M40 x36 TPI [Infinity Corrected Objectives](#)
- Maximum Sensor Size up to 2/3" or APS-C
- Vertical and Horizontal Orientations, Brightfield and Darkfield Configurations Available
- In-Line Fiber Illumination Port Compatible with 8mm or 1/4" (0.312") Diameter Ferrules

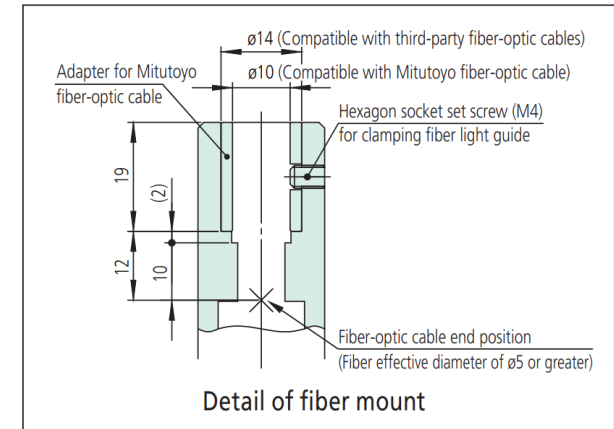
The Mitutoyo Video Microscope Units (VMU) are used to connect [infinity corrected objectives](#) to a [C-mount or F-mount camera](#) for quick and easy setup of microscopy systems. Providing 1X magnification, the Mitutoyo Video Microscope Unit (VMU) features an in-line illumination port for maximum contrast 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 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](#).

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

## Technical Information





| 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:                                            | <a href="#">#86-799</a>        | <a href="#">#89-621</a> | <a href="#">#89-622</a>            | <a href="#">#23-338</a>                     | <a href="#">#18-653</a>               |            |
| Manual Turret (Four Objective Mounts):                   | <a href="#">#86-589</a>        |                         | <a href="#">#86-589</a>            | <a href="#">#18-654</a>                     | <a href="#">#18-655</a>               |            |
| 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<br>MPlan Apo NIR | BD Plan Apo                           |            |
| VMU-L Laser Mount to C-Mount Adapter:                    | N/A                            |                         | <a href="#">#37-044</a>            | N/A                                         | N/A                                   |            |

