

# uMs upright microscope

Versatile. Smooth. Repeatable.



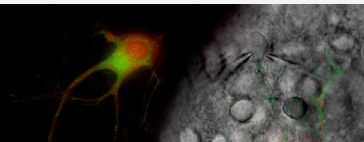
## Optimized for slice patch clamp recordings and advanced imaging

The high performance design provides **smooth motion**, allowing reliable imaging and long recordings.

The closed-loop control ensures **industry-leading accuracy**. When moving quickly between locations exactly the same spot is hit. Every time.

With its slim design, the uMs is a **highly versatile** microscope providing generous space for other experimental equipment.

The uMs is **easily expandable** - starting from a microscope for finding cells, all the way to a powerful imaging machine for multichannel voltage imaging and more.



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Trusted by customers worldwide

## uMs microscopes

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### uMs-FN1 Upright microscope with motorized focus and 2-position objective changer

<b>Stand:</b>	Customized Nikon FN1
<b>Focus range:</b>	40 mm
<b>Resolution / repeatability:</b>	4 nm / 100 nm
<b>Dimensions:</b>	428 x 170 x 351 mm

Bottom part with transmitted light illumination can be detached for in vivo work

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### uMs-MCU Motor controller

- Controls uMs-MXY translator and uMs-FN1 focus (closed-loop), as well as uMs-OBJ objective changer
- Ethernet interface for Sensapex controllers and PC control

**Dimensions:** 150 x 74 x 49 mm

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### uMs-FXY Fixed stage

<b>Adjustable height:</b>	183 - 213 mm
<b>Leg foot print:</b>	32 x 113 mm
<b>Stage top size:</b>	500 x 419 mm

Metric thread pattern with pre-defined locations to install 1-8 uMp manipulators

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### uMs-MXY Motorized translator

<b>Positioning range:</b>	120 x 85 mm (XY)
<b>Resolution / repeatability:</b>	4 nm / 100 nm
<b>Max. speed:</b>	10 mm/s
<b>Dimensions:</b>	445 x 380 x 50 mm

Metric and imperial table mounting supported

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### uMs-BRE Microscope bridge

**Dimensions:** 503 x 400 x 66 mm

Tailored for uMs-FN1. *Ask about other microscope models*

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### Motorized XY-stage bundle

<b>Positioning range:</b>	120 x 85 mm range
<b>Resolution / repeatability:</b>	4 nm / 100 nm
<b>Max speed:</b>	10 mm/s

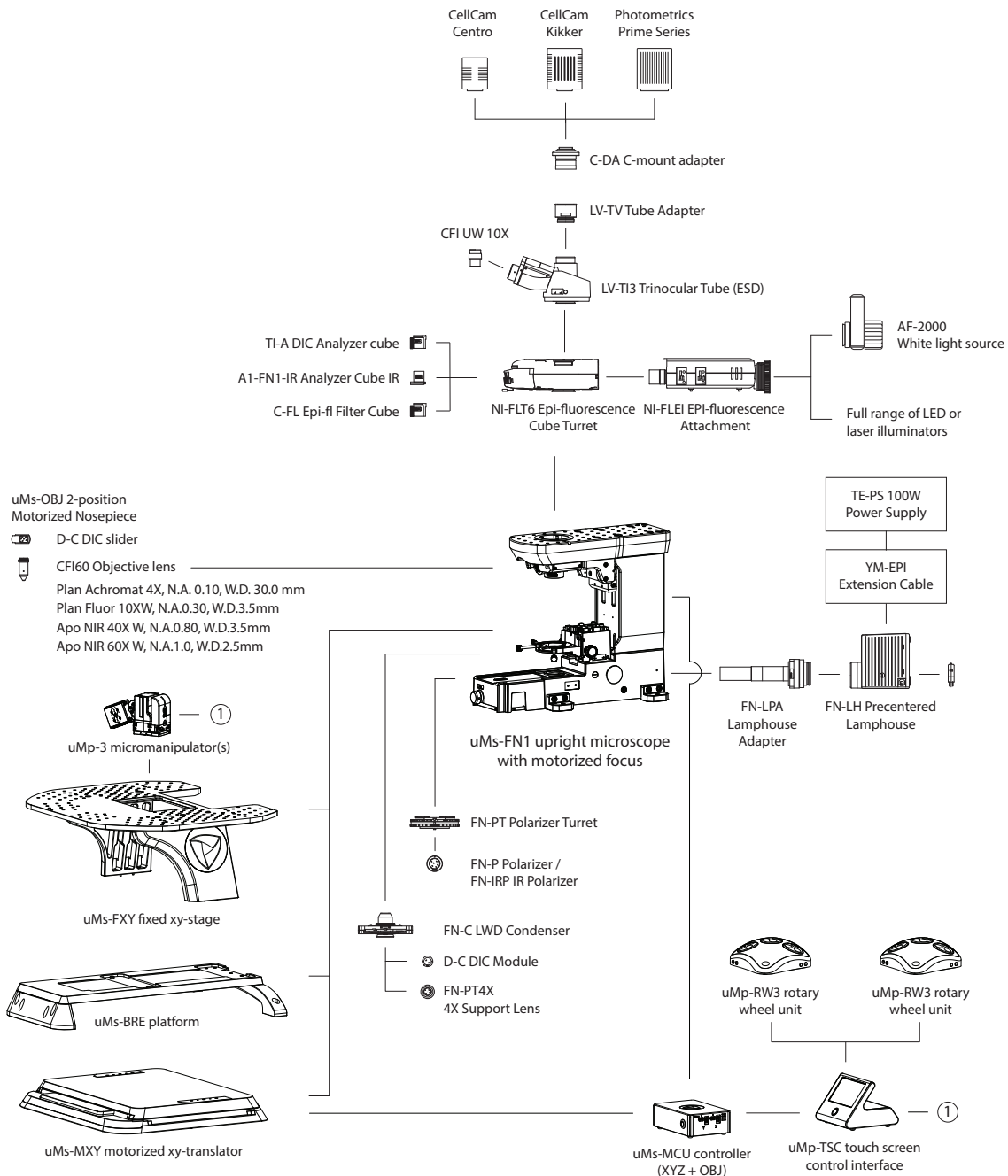
Metric thread pattern with pre-defined locations to install 1-8 uMp manipulators

[shop.sensapex.com/product/motorized-ums-stage-including-installation-bridge/](http://shop.sensapex.com/product/motorized-ums-stage-including-installation-bridge/)



Product diagram

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