

NEMA IMAGER

Visualize *C. elegans* behaviors and other samples capture high frame-rate video with image quality comparable to traditional inverted microscopes.

The NEMA IMAGER is a versatile and easy to use inverted microscope with integrated video recording at a high-frame rate. It's best suited for the following:

- High-quality images of worms immobilized on agar pads, with glue, or in hydrogel.
- Live imaging and high frame-rate recording of freely moving worms in microfluidic devices.
- Imaging of fluorophores in the green family (GFP, GCaMP, etc.). Configurable to provide three color detection of blue, green and red fluorophores.
- Phase contrast images of internal structures.
- Easy integration into optogenetic and calcium imaging experiments



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Key Features:

- Low and high power, long working distance objectives allow for imaging of small structures.
- The large microscope deck is tapped with ¼-20 thru holes for maximum versatility to mount additional accessories.
- 2.2 MPix, 2/3" CMOS USB 3 camera. monochrome default, color and near-infrared models available.
- Fits RMS threaded objectives
- Three color model includes:
 - Channel 1: Excitation 370-410 nm; Emission 429-462 nm
 - Channel 2: Excitation 473-491 nm; Emission 502-561 nm
 - Channel 3: Excitation 580-598 nm; Emission 612-680 nm