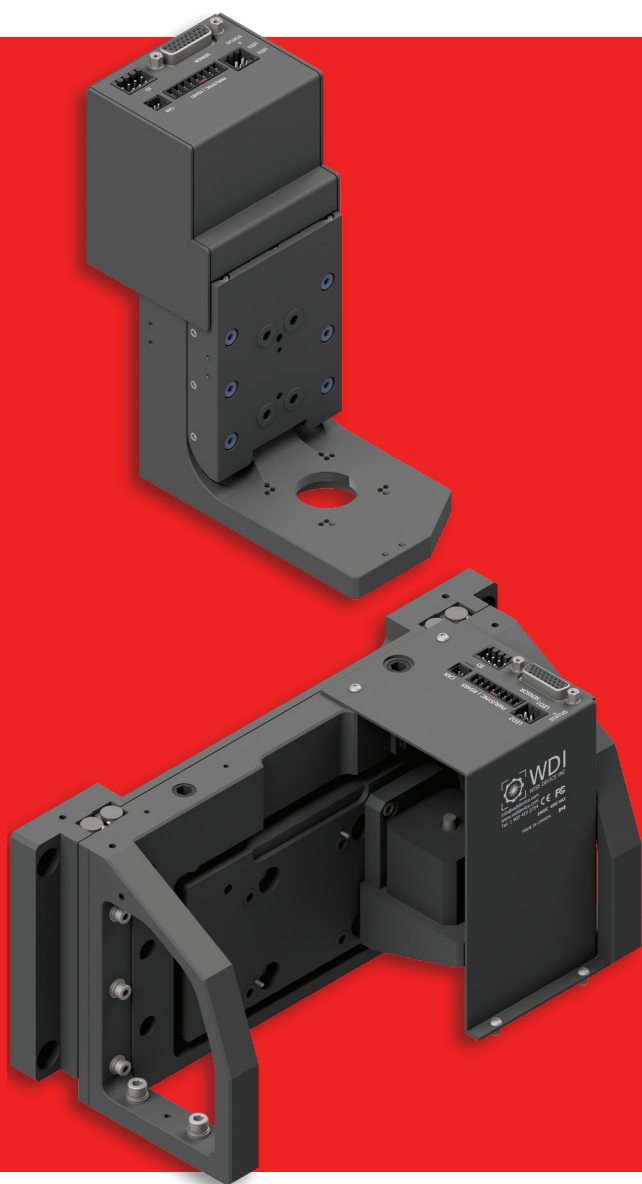


NEW



Integrated Z-Axis Actuator

Accurate, Fast, and Reliable Actuation for Focusing



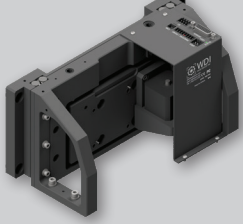


- + Featuring a powerful motor designed to eliminate cogging while allowing rapid motion with a maximum speed of 10 mm/s and acceleration up to 120 mm/s² making it ideal for fast-tracking focus applications
- + New integrated electronics removes the need for an additional external controller and cabling with significant cost reduction
- + Design allows for standalone use or integrated use with WDI's autofocus sensors
- + A four times improvement in Z-axis resolution compared to previous generation actuators
- + Supporting linear or rotary lens changers as well as two 1.5A illuminators or one 3A illuminator



is a world leader in the design, manufacture and integration of OEM and complete microscopy automation solutions for the biomedical, metrology, electronics, semiconductor, and flat panel display markets.

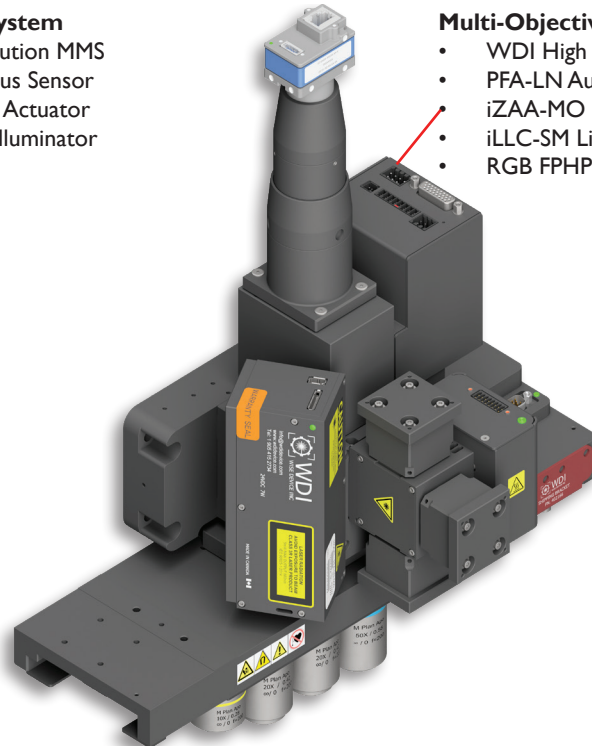
[Z-AXIS ACTUATOR SPECIFICATIONS]

Models			
Objectives/Compatible Lens Changers	Single Objective* (No Lens Changer)	Single Objective* or LLC2, LLC3, iLLC-SM, sLLC-SM	iLLC-LG, sLLC-LG, Rotary
Motion Type	2 Phase Stepper with Integrated Controller		
Travel Range	10 mm (± 5mm)		
Maximum Resolution (1/64 microstep)	39 nm/step		47 nm/step
Maximum Speed	10 mm/s		
Maximum Acceleration	120 mm/s ²		100 mm/s ²
Micro Stepping	2, 4, 8, 16, 32, 64 or 128		
Maximum Load	1.0 kg	3.5 kg	6.5 kg
Weight	1.14 kg	1.16 kg	4.4 kg
Illuminator Support	Two 1.5A or One 3A LED Illuminator		
Compliance	Clean Room Class 1000 (ISO 6)		



Single-Objective System

- WDI High Resolution MMS
- PFA-DT Autofocus Sensor
- iZAA-SO Z Axis Actuator
- RGB FPHPLED Illuminator



Multi-Objective System

- WDI High Resolution MMS
- PFA-LN Autofocus Sensor
- iZAA-MO Z Axis Actuator
- iLLC-SM Linear Lens Changer
- RGB FPHPLED Illuminator

*Standard thread M26x36 TPI (thread adapters are available for conversion to other threads)



WDI is a world leader in the design, manufacture, and integration of OEM and complete microscopy automation solutions for the biomedical, metrology, electronics, semiconductor, and flat panel display markets. WDI's success lies in an innovative culture and ability to optimize and adapt our technology to customers' specific requirements by listening to their needs and gaining a deep understanding of their processes, applications and goals. WDI employs over 70 optical, electrical, mechanical and software engineers, as well as scientists, who are dedicated to servicing our customers. Contact WDI today to see how we can help solve your microscopy automation needs.



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