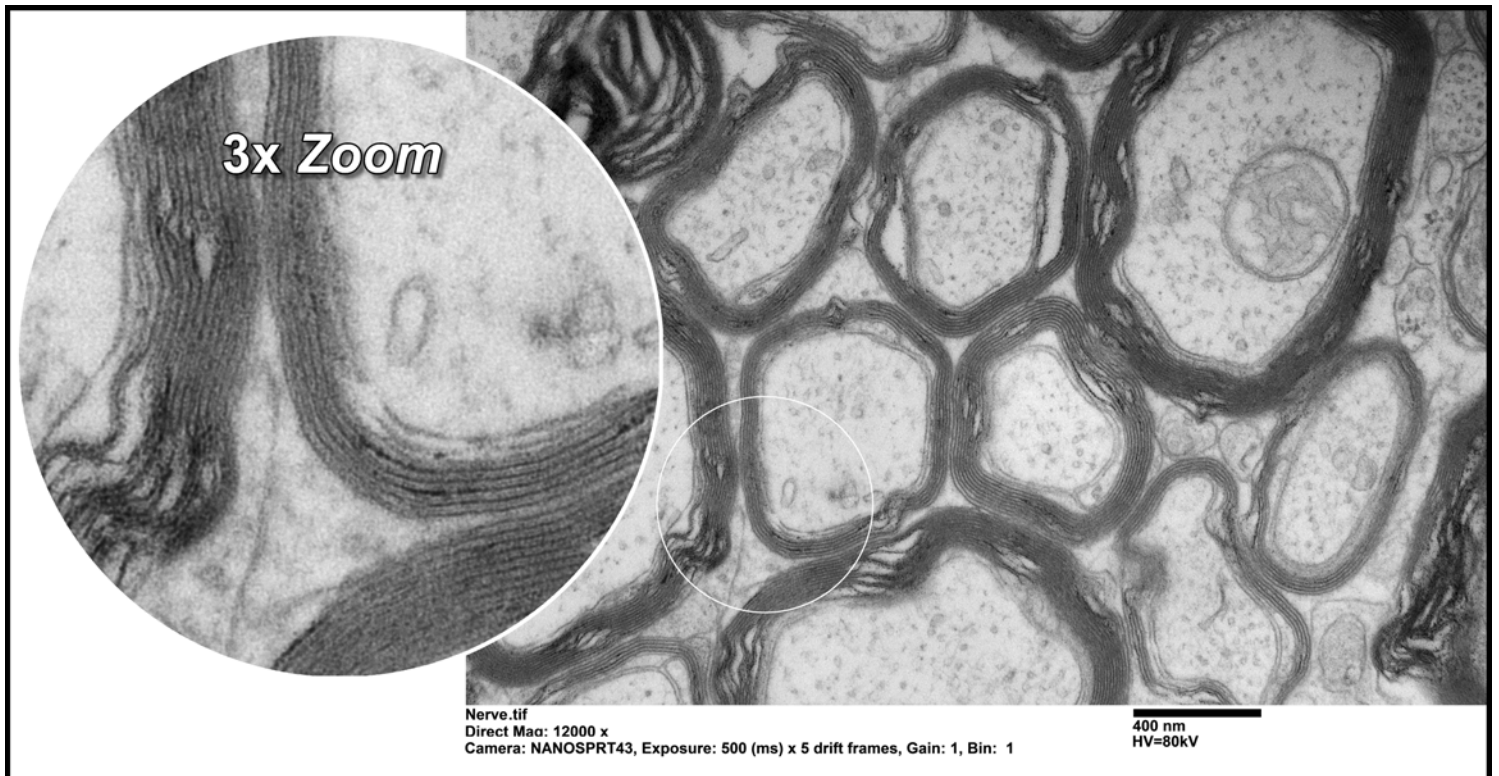


NanoSprint43 Mk-II: High Resolution CMOS TEM Camera

Introducing the NanoSprint43 Mk-II:

The NanoSprint43 Mk-II is AMT's latest product featuring an entirely new sensor that achieves the high sensitivity required for TEM clinical applications and life-sciences. Its fine-pixel, low-noise CMOS sensor offers an ultra large 43 megapixel sampling region with a high speed readout.

AMT coupled the sensor's generous field-of-view and ultra-fine sampling with AMT's high performance optics to create a system that is ideal for a wide range of applications. Users can enjoy both its excellent contrast plus the ability to zoom for images that contain both context and detail.

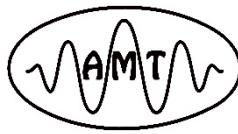


Advanced Microscopy Techniques 242 West Cummings Park, Woburn, MA 01801

Tel: (978)774-5550 Fax: (978)739-4313

Email: info@amtimaging.com URL: <http://www.amtimaging.com>

NanoSprint43 Rev3



NanoSprint 43 Mark II Specifications	
Sensor Size [pixels]	7915 × 5436
Phosphor Pixel Size [μm]	8.2 x 8.2
Active Pickup Region [mm]	65 x 45
Digitization	≥ 16 bits with frame accumulation
Mounting Position	On-Axis
HT Range [kV]	20–200
Optical Coupling	Custom high performance lens
Lens Magnification	0.34
Lens NA _{image}	0.32
Lens MTF at Nyquist [%]	>50
Framerate for Display Image [fps]	10 all
Cooling	20C water
Micro Lenses	Yes
Shutter	Global
Exposure Time [ms]	1 - 10,000
Power	100-240VAC
Digital Interface	Camera Link
Vacuum Compatibility	<10 ⁻⁷ torr
Vacuum Seals	Fixed o-ring
Environment	Electronics and cooling outside of vacuum
X-ray shielding limit	Up to 200kV
Certifications	UL, CE , RoHS
Computer OS	Windows 10 Professional 64 bits

Specifications are subject to change with notification*

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