

BioSprint

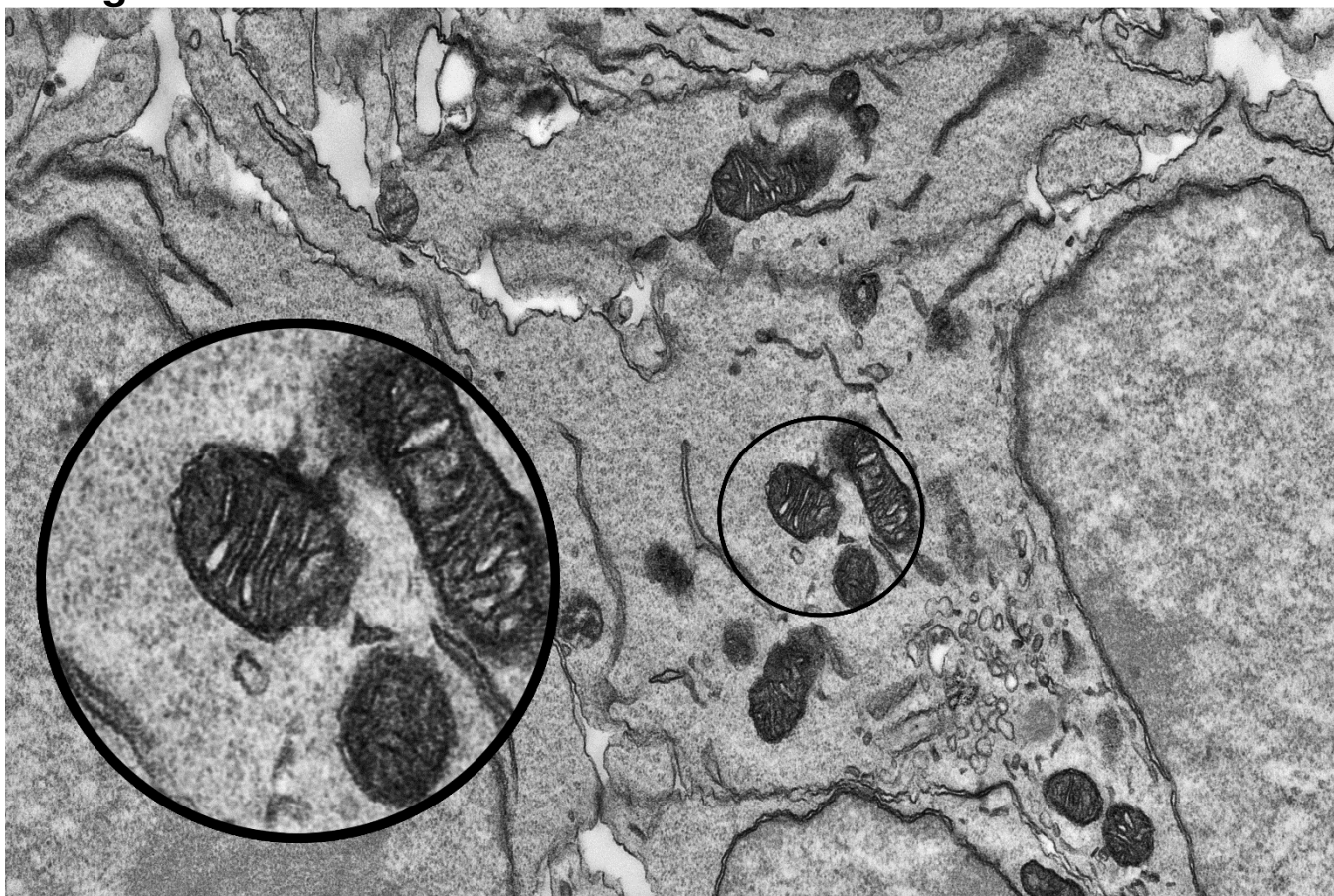
High Definition CCD Camera for TEM

- 16 Megapixel Scientific CCD
- High Speed Readout
- Anti-Blooming sensor
- High Performance Lens



AMT's BioSprint camera system creates large 16 megapixel images that challenge film in definition. This system achieves high sensitivity and resolution by employing the use of AMT's highly corrected *ActiveVu*-lens. The BioSprint is available in most TEM mounting configurations with the Mid-mount position being the most popular. This camera system is an excellent choice for clinical pathology and other applications requiring magnifications lower than 50kx; yet it is also capable of lattice imaging at high magnifications. The BioSprint system delivers enough information that users may digitally enlarge their images without the worry of pixilation. This saves on both imaging and analysis time.

Enlargement Without Pixilation:



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>



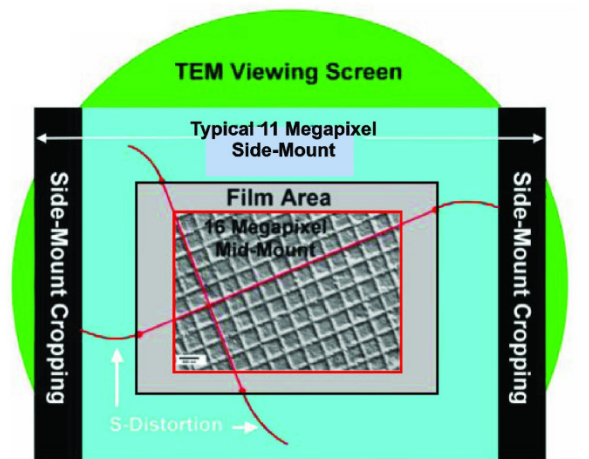
BioSprint Rev1

BioSprint Camera Configurations:

BioSprint-M-ActiveVu Extra-Wide Angle Mid-Mount
BioSprint-L-ActiveVu Wide Angle Low-Mount

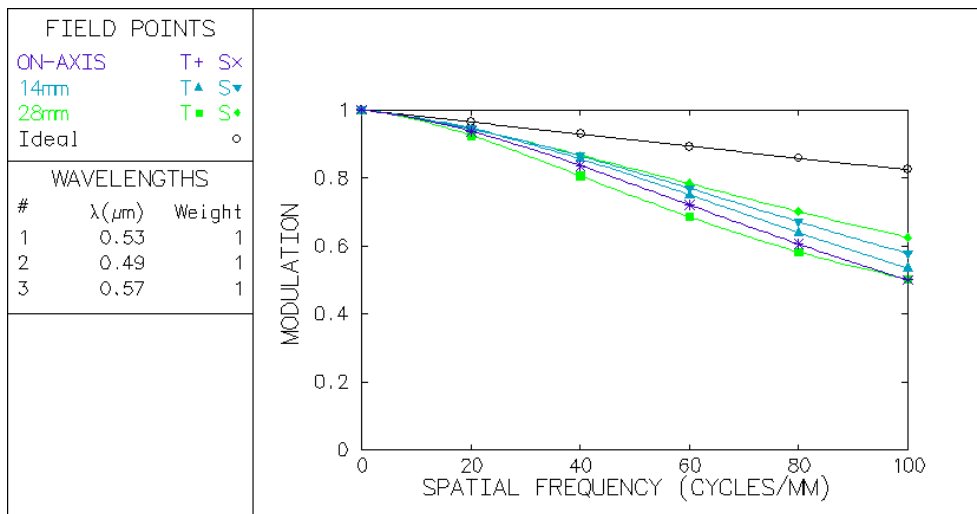
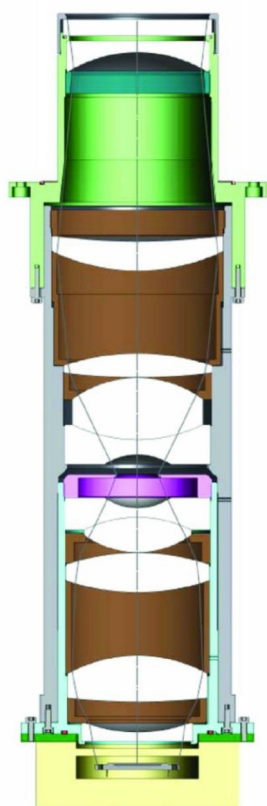
Sensor, Camera Head, and Phosphor:

- 1) Scientific grade, progressive scan (*KAI-16050*) sensor
- 2) 4896 x 3264 pixels with 9.5 μm square pixels at the phosphor



Lens:

AMT's ActiveVu-lens maintains a high >50% MTF @100 line- pairs/mm



Vibration-less, Independent Shutter:

Electronic Shutter with no beam blanking or mechanical shutter required with exposures adjustable from 1ms to 10s

Digital Interface and Electronics:

High speed Camera Link digital interface for data transfer and control

Readout Rate:

Multi-speed readout with 80 MHz maximum at 16 bits using frame summation of the ADC

Maximum viewing speed:

25 fps with 4x4 binning at full field

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