BioSprint 29 Camera Series

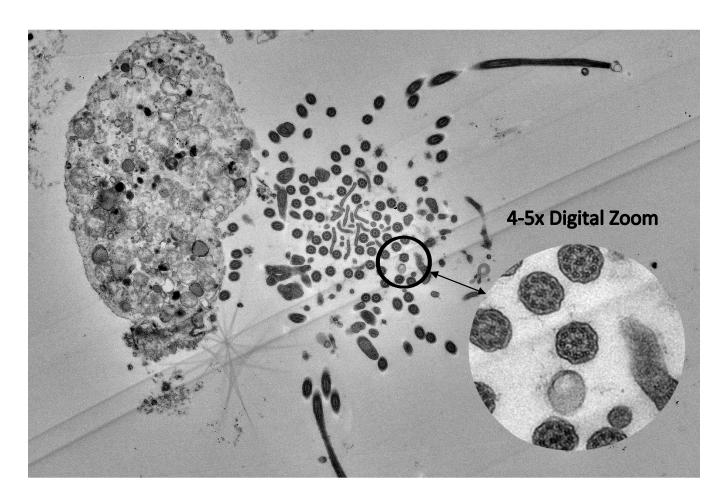
High Definition CCD Cameras for TEM

- 29 Megapixel Scientific CCD
- High Speed Readout
- Anti-Blooming Sensor
- High Performance Lens



AMT's BioSprint 29 megapixel camera system creates images that challenge film in definition. This system achieves high sensitivity and resolution by employing AMT's highly corrected *ActiveVu* lens. BioSprint 29 megapixel systems are available in low and mid-mount configurations with the mid-mount position being the most popular. This camera system is an excellent choice for clinical pathology and other high throughput biological applications. The BioSprint system delivers enough information that users may digitally enlarge their images multiple times without the worry of pixilation, which saves on both imaging and analysis time.

Enlargement Without Pixelation:



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



BioSprint29 Camera Configurations:

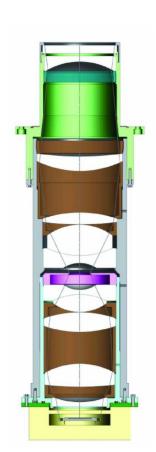
BioSprint29-M-ActiveVu Extra-Wide Angle Mid-Mount **BioSprint29-L-ActiveVu** Wide Angle Low-Mount

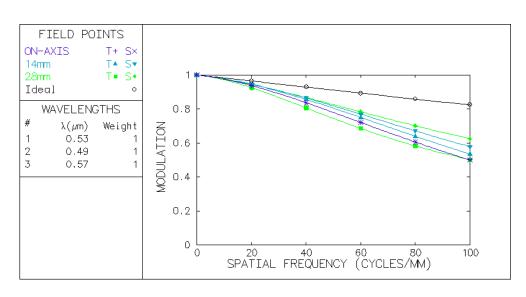
Sensor, Camera Head, and Phosphor:

- 1) Scientific grade, progressive scan (KAI-29050) sensor.
- 2) 6576 x 4384 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 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, multi-tap readout with 40 MHz maximum at 16 bits using frame summation of the ADC.

Maximum viewing speed:

18 fps with 4x4 binning at full field

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