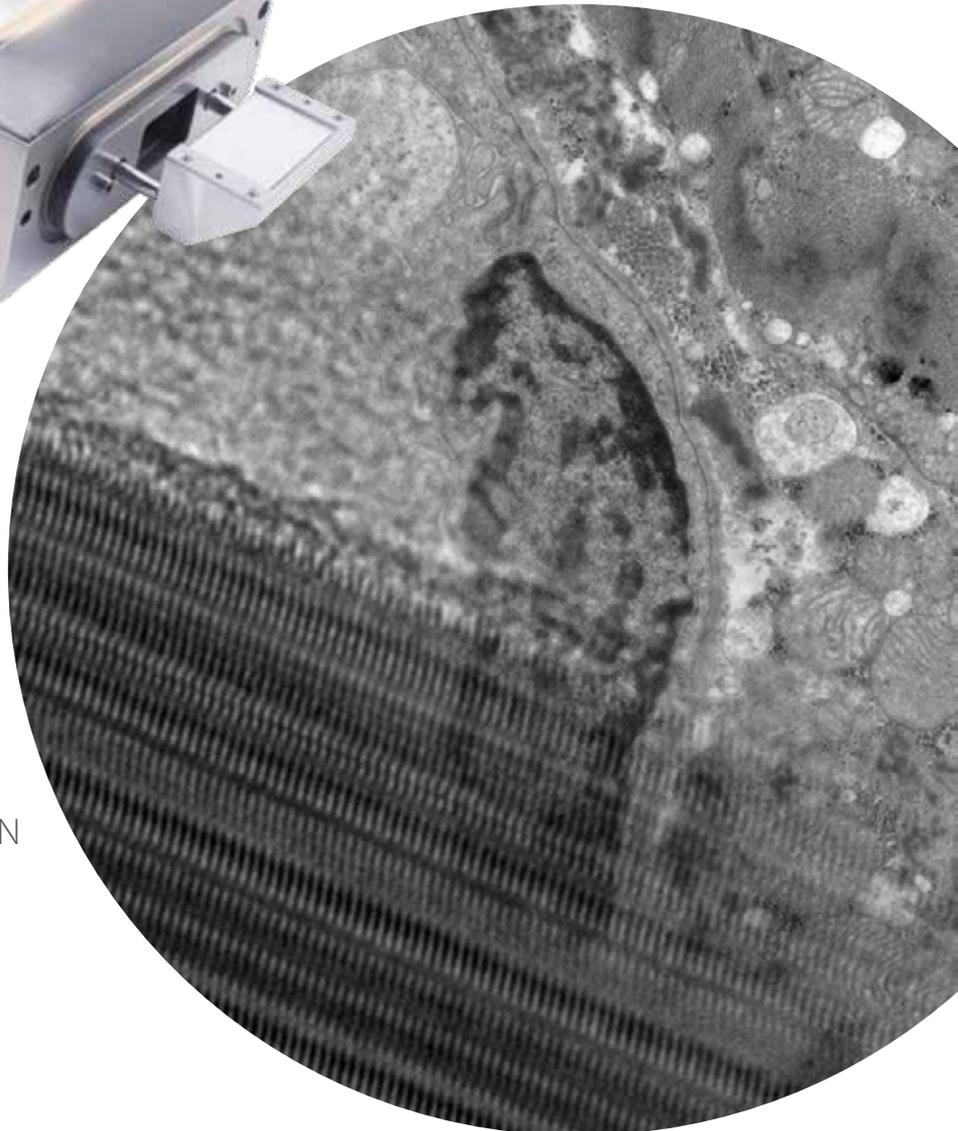




# MEGAVIEW<sup>G3</sup>

EXTREMELY FAST 2.8 MEGAPIXEL TEM CAMERA

Speed, sensitivity and resolution.



2.8 MEGAPIXEL

55 FRAMES IN FULL RESOLUTION

160 FRAMES AT BINNING 5x

USB 3.0

# MEGAVIEW G3

EXTREMELY FAST 2.8 MEGAPIXEL TEM CAMERA

**The latest generation of our most versatile and reliable side-entry TEM camera system MegaView.**

Our MegaView camera is a synonym for best-price performance ratio of TEM cameras for more than 15 years. The new MegaView G3 is the 4<sup>th</sup> generation of our most versatile and reliable side-entry TEM camera system MegaView. The pneumatically driven camera fits to the wide-angle (35mm) port of almost all common TEMs.

The MegaView G3 is equipped with a sensitive 2.8 megapixel CCD chip and it achieves more than 55 frames per second at full resolution and 160 frames per second at binning 5x. Fast data transfer is guaranteed by using USB 3.0.

A TEM camera is not complete without its acquisition and imaging software. RADIUS provides everything: drift correction, "click-to-center", smart averaging, full interactive

measurements and the integrated image database eases your daily work routines.

Compared to its predecessors this 4<sup>th</sup> generation provides you with

- 6x higher frame rates
- 2x more resolution
- Higher sensitivity
- Higher Signal-to-Noise ratio

For upgrading your existing MegaView camera system we offer attractive in-field upgradeability of legacy models by our new MegaView G3.

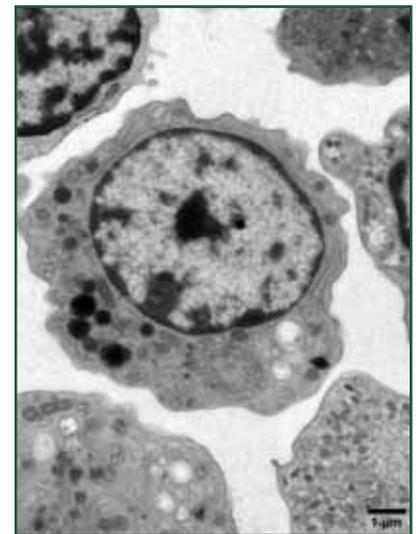
With the MegaView G3 your system will be safe for the next decade.

## SPECIFICATIONS

Camera	MegaView G3
Model	S03U
Sensor Type	Interline CCD
Image Size (max)	1936 x 1456 pixels
Effective Pixel Size	13 x 13 $\mu\text{m}^2$
Binning	2x, 3x, 4x, 5x
Partial readout	Yes
Frame Rate @ Full Resolution	55 frames per second (fps)
Frame Rate @ Binning	160 fps @ 5x
Exposure time	100 $\mu\text{s}$ - 10 sec
Anti-blooming	Yes
Camera coupling	Customized lens
Data interface	USB 3.0
Mounting position	Wide angle (35 mm) - single port
Operating system	Windows 7/10 (64 bit)
Imaging software	RADIUS
Available options	Diffraction beam stop



APPLICATIONS  
LIFE SCIENCES  
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MATERIALS SCIENCES



Bone marrow (MIA 3x3), 9,300x



EMSI GmbH

Mendelstraße 17  
48149 Münster, Germany  
Phone: +49 (0) 251 297962-0  
FAX: +49 (0) 251 297962-90  
Mail: info@emsis.eu

[www.emsis.eu](http://www.emsis.eu)