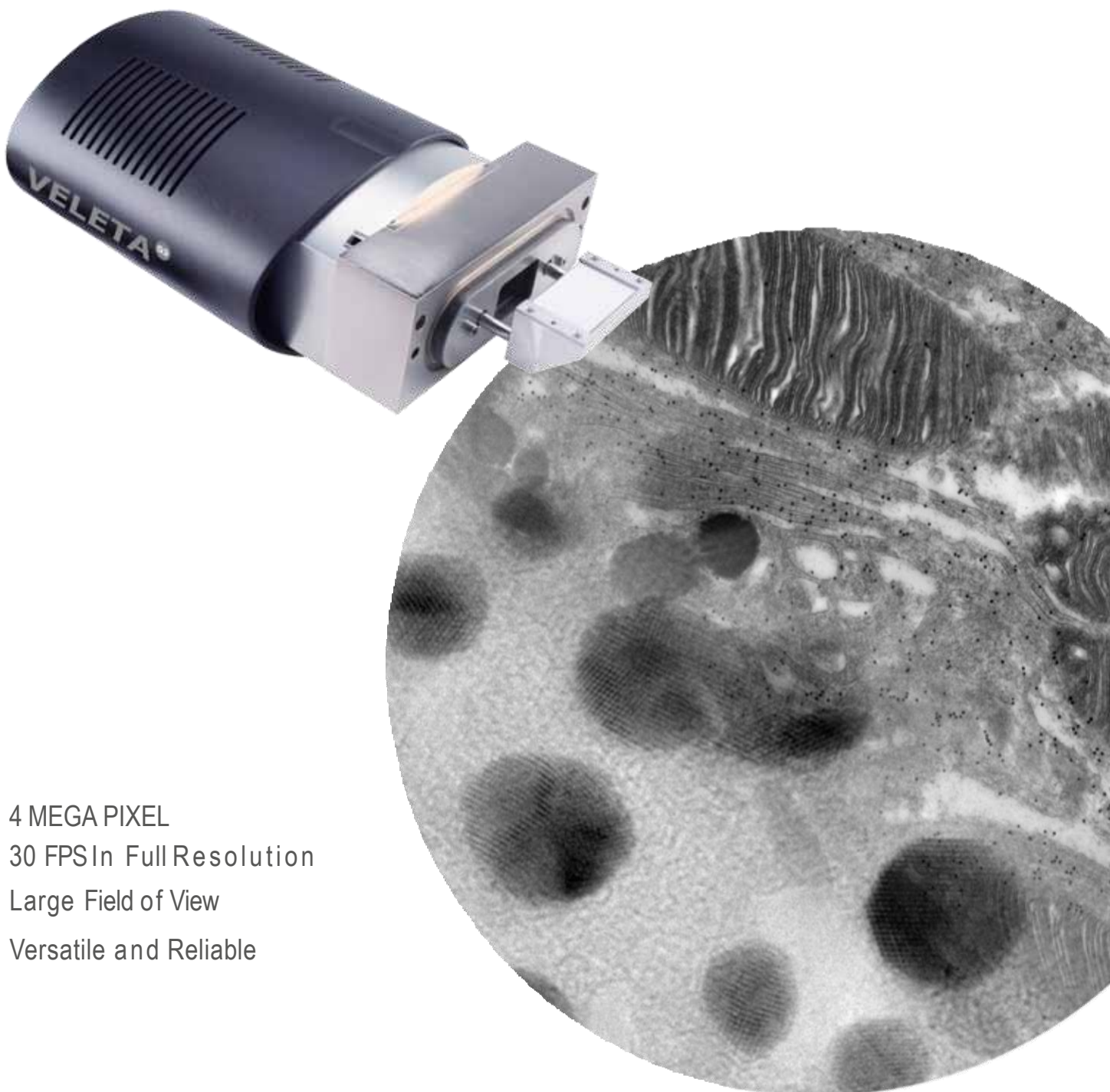


Veleta^{G3}

4 MEGAPIXEL FAST SIDE-ENTRY TEM CAMERA

Versatile, very fast and sensitive.



4 MEGA PIXEL

30 FPS In Full Resolution

Large Field of View

Versatile and Reliable

VeletaG3

4 MEGAPIXEL SIDE-ENTRY CAMERA – Third Generation

第3世代カメラVELETA G3は、EMSYS社の高速TEMカメラのラインナップの最新モデルです、最大70fpsのフレームレートは、現代のマテリアルサイエンスにもライフ・メディカルサイエンスにも活躍します。

EMSYS社の新たな汎用カメラ: VELETA G3 (Model S04u)はレンズ光学カップリングシリーズの第3世代で、ほとんど全てのTEMのサイドエントリーポートに対応します。4メガピクセルの解像度を持つ新たな高速CCDセンサーは非常に広いアプリケーションに適応します。さらに the strength of at least 30 frames per second (fps) to its sensitivity, high pixel resolution and large field of view, it provides 現代のマテリアルサイエンス、ライフ・メディカルサイエンス両方の要求に応える、非常にバランスの良い性能を有します。

the large active area of the scintillator results in a field of view comparable to the size of a photo plate and makes the VELETA G3 the perfect camera for e.g. pathology applications where fast overview images with high quality are needed. the CCD sensor's smart architecture guarantees high anti-blooming, making it perfectly suitable for acquiring clearly distinguishable diffraction patterns.

As with all EMSIS side entry tEM cameras the VELETA G3 exhibits the patented single-flange design for the wide-angle port of almost any tEM. Being mounted on either port, it can be freely combined with any other tEM equipment installed on the opposite side port (e.g. StEM detectors).

the new camera now provides 30 fps in its full four megapixel resolution up to 70 fps using binning, achieved by a modern USB 3.0 interface. these high frame rates are not only ideal for locating suitable sample segments directly on-screen, but in combination with rADluS 2.0 they offer new possibilities with hDr images and possible in-situ applications.

no matter which imaging mode you select, our VELETA G3 with its high versatility offers excellent dynamic range and high sensitivity resulting in always great images.

アプリケーション

VIROLOGY

PATHOLOGY

MATERIALS SCIENCES

DIFFRACTION/CBED

IN-SITU

HDR



CBED, Silicon, 38kx

主な仕様

カメラ	VELETAG3
モデル	S04U
センサー	Interline CCD sensor
画素数 (max)	2048x 2048 pixels
有効ピクセルサイズ	13 x 13 μm^2
ビニング	2x, 4x
部分読み出し	Yes
フレームレート	30 frames per second (fps)
@フル解像度	
フレームレート@ビニング	> 70 fps @4x
露光時間	1 ms – 100 s
アンチブルーミング	Yes
光学カップリング	専用レンズ
インターフェース	USB 3.0
取り付け	Wide angle (35 mm) – single port
OS	Windows 7/10 (64 bit)
ソフトウェア	RADIUS 2.0



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