



QEDIRA

61 MEGAPIXEL CMOS TEM CAMERA

You do not need more - do not accept less.



61 & 15 MEGAPIXEL DUAL MODE
CMOS IMAGE SENSOR
50 FPS IN FOCUS MODE
FIBER OPTICS

QEDIRA

61 AND 15 MEGAPIXEL DUAL MODE TEM CAMERA

The QEDIRA provides unrivaled 61 and 15 megapixel CMOS images with an yet unprecedented high quality and high sensitivity sensor.

Our new TEM CMOS camera QEDIRA (model B60T) proves our decades of experience in developing highest quality TEM cameras: carefully selected components and sophisticated craftsmanship perfectly culminates in this new camera.

EMSIS understands how to provide the best fit of resolution and sensitivity for all TEM applications, and once again applied this concept to the QEDIRA, achieving again the perfect match between pixel size, fiber optics and scintillator, maximizing the field of view and perfectly adapting the effective pixel size at the same time.

The QEDIRA comes with a high resolution 61 megapixel mode with at least 15 frames per seconds, and two 15 megapixel modes with either high speed (38 frames per second) or high sensitivity - comfortably pick the mode you need. All give you perfect images and leave no questions unanswered.

A focus mode which is based on the full resolution of 61 megapixel can be used

with more than 50 frames per second - a focus speed yet unknown for a universal TEM camera like the QEDIRA.

Again, being the pioneer of using most modern industry standards for data transfer and not relying on non-standard, customized solutions, we support the Thunderbolt interface with its up to 40 Gbps transfer rate with the QEDIRA, thus guaranteeing extremely stable and fast data transfer to most modern and powerful workstations.

In combination with our state-of-the-art imaging software RADIUS 2.3, the QEDIRA CMOS TEM camera provides high-speed video recording, high-dynamic range imaging (HDR-I), smart averaging and drift correction. And the best thing about it is: the QEDIRA brings this all to you out of the box, no questions asked, no additional costs.

You will not need more - you should not accept less.

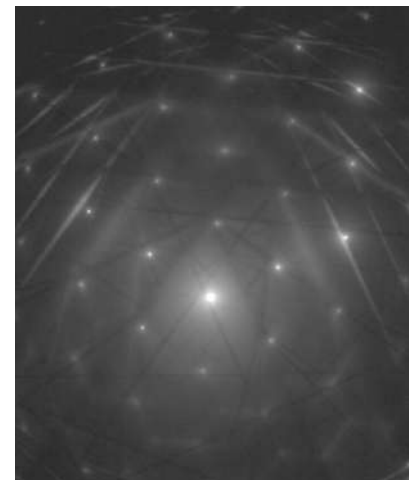
APPLICATIONS

ALL LIFE AND
MATERIALS SCIENCES

HR-TEM

IN-SITU

DIFFRACTION



Si 111 Bulk with HDR, averaging and DCE filter.

SPECIFICATIONS

Camera	QEDIRA
Model	B60T
Sensor	CMOS
Image size (max.)	9,536 x 6,380 pixels
Effective pixel size	7.5 x 7.5 μm^2
Frame rates	38 fps at 15 MP 15 fps at 61 MP more than 50 fps @ focus mode
Camera coupling	Fiber optics
Mounting position	Bottom mount, on axis
Data interface	Thunderbolt™
Operating system	Windows 11 (64 bit)
Imaging software	RADIUS 2.3
Features included	HDR, Averaging, Drift correction, Sub-area readout, Movie recording



EMSIS GmbH

Mendelstraße 17

48149 Münster, Germany

Phone: +49 (0)251 297962-0

Fax: +49 (0)251 297962-90

E-mail: info@emsis.eu

www.emsis.eu
www.qedira.eu

(Specifications are subject to change without prior notice by the manufacturer.)