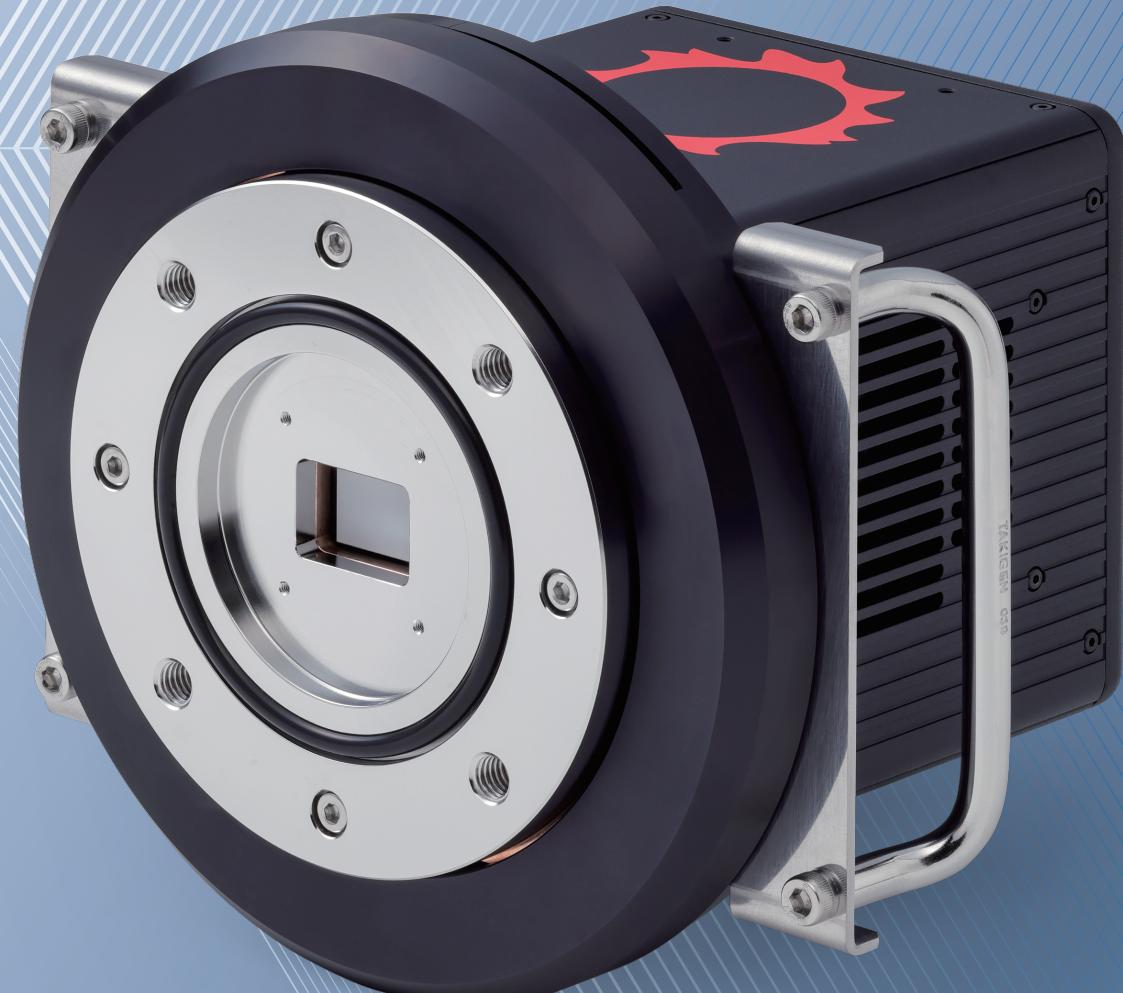


ORCA-FireX

X-ray sCMOS camera

Available Spring 2026

X-ray imaging camera with
50 eV to 20 keV range



ORCA-FireX

The ORCA-Fire X X-ray sCMOS camera enables high-resolution imaging with a spatial resolution of 80 LP/mm, thanks to our proprietary new technology*.

It delivers high-definition X-ray imaging for both high-speed and long-exposure applications, opening up new possibilities for research and industrial use.

*Patent pending

Energy range for imaging 50 eV to 20 keV

Effective area 20.387 mm × 10.892 mm

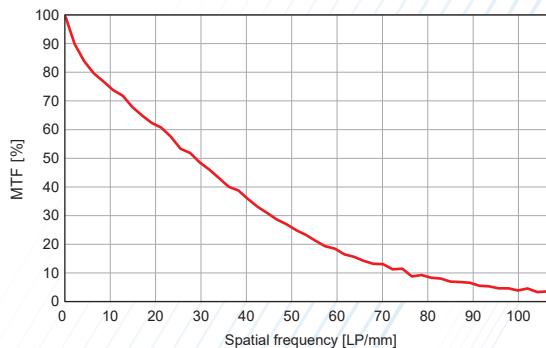
Spatial resolution 80 LP/mm

Frame rate 115 frame/s (full resolution)

Readout noise 1.0 electrons rms

Dark current 0.1 electrons/pixels/s (sensor temperature: 0 °C)

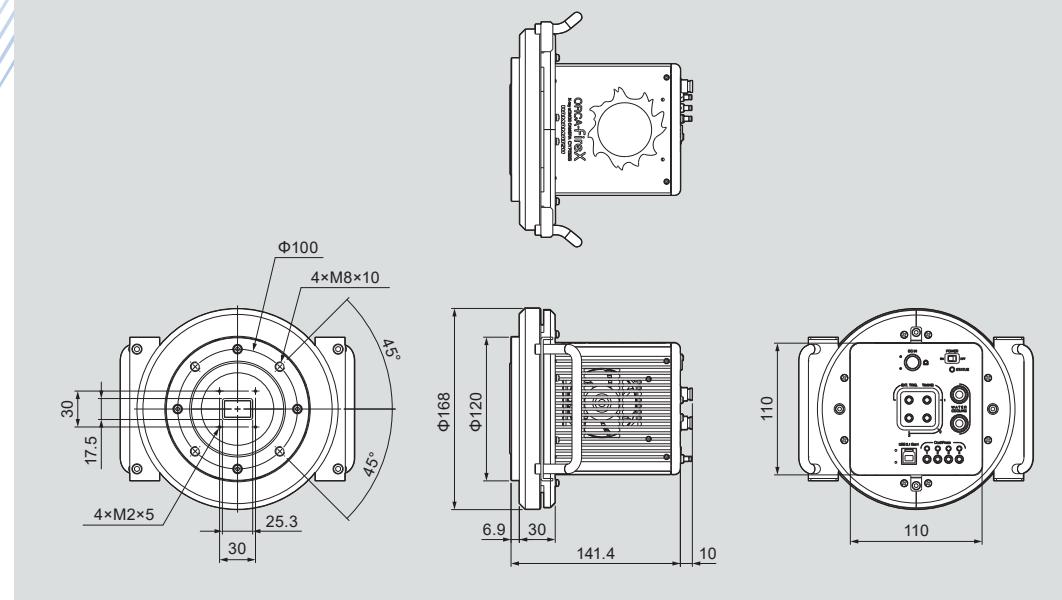
MTF Measurement Results



■ Measurement Conditions	
Detector	: ORCA-Fire X
Tube voltage	: 25 kV
Tube current	: 300 μ A
Method	: Edge analysis
Scintillator	: P43 (7 μ m)



Dimensional outlines (Unit: mm)



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- This information is subject to change without notice.
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