

Below are the specifications for the BioSAXS<sup>nano</sup> protein small angle scattering X-ray system from Rigaku.

Incident Beam: OptiSAXS CMF focusing optic  
Collimation: 2D Kratky (X stage and tilt, motorized)  
Beam size at Sample: Variable Width x 1.5 mm<sup>2</sup>  
Sample Stage: 3 capillaries (X, Y stage, motorized) with a flow cell option  
Sample Volume: 20 – 30  $\mu\text{L}$   
Sample Temperature Control  
Beam Stop: PIN diode detector (motorized)  
q-range: 0.006  $\text{\AA}^{-1}$  - 0.6  $\text{\AA}^{-1}$   
Detector: Rigaku HyPix-3000 Hybrid Pixel Array Detector (pixel size: 100  $\mu\text{m}$ , active area: 77.5 mm X 30.5 mm)