

REBIRX



Silicon Sensor	
Caractéristiques	RebirX 10S RebirX 70S RebirX 270S RebirX 540S RebirX 1100S
Dynamic range	32 bits
Counting rate	7×10^5 ph/sec/pix
Energy range	7 - 35 keV
Treshold range	5 - 30 keV
Frame rate	Up to 700 fps
Point-spread function	1 Pixel
Cooling	Air Cooling
Pixel size	$130 \times 130 \mu\text{m}^2$
Pixels number	9 600 (120 x 80) 67 200 (560 x 120) 268 800 (480 x 560) 537 600 (560 x 960) 1 075 200 (1120 x 960)
Active area	$1.5 \times 1 \text{ cm}^2$ $7.5 \times 1.5 \text{ cm}^2$ $7 \times 7.5 \text{ cm}^2$ $15 \times 7.5 \text{ cm}^2$ $15 \times 15 \text{ cm}^2$
Sensor thickness	500 μm or 1000 μm
Number of modules	1/7 1 4 8 16
Overall dimensions (mm ³)	120 x 195 x 45 120 x 195 x 45 120 x 195 x 130 30 x 290 x 320 250 x 300 x 350
Weight	1 kg 1 kg 4 kg 7 kg 18 kg



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