

	Sona-11 (32 mm)	Sona-11 (22mm)	Sona-6 Extreme
Model			

Sensor Type	Back-Illuminated Scientific CMOS		
Array Size	2048 (W) x 2048 (H) 4.2 Megapixe	1400 (W) x 1400 (H) 2.0 Megapixel	1400 (W) x 1400 (H) 2.0 Megapixel
Sensor Diagonal (mm)	31.9	21.9	18.8
Pixel Size (µm)	11 x 11 µm		6.5 x 6.5 µm
QE max (%)	95	95	95
QE Profile Options	BV	BV	BV
Min. Cooling (°C)	-45	-45	-45
Exposure (Shutter) Modes	Rolling	Rolling	Rolling
Max. Frame Rate (fps, full array)	48	70	43 (USB 3.0) 135 (CoaXPress)
Min. Read Noise Median (e-)	1.6	1.6	<1.0 (low noise, 2-CMS) 1.6 (high dynamic range) 1.9 (high speed)
Max. Well Depth (e-)	85,000	85,000	42,000
Interface	USB 3.0	USB 3.0	USB 3.0 CoaXPress
SRRF-Stream Compatibility	Yes	Yes	Yes

Captureweakestsignals	■ ■ ■ ■ ■ □	■ ■ ■ ■ ■ □
High sensorresolution	■ ■ ■ ■ □ □	■ ■ ■ ■ ■ □
Image a widefield of view	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ □
High speedimaging	■ ■ ■ ■ □ □	■ ■ ■ ■ ■ ■
High dynamicrange	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ □
Long exposuresuitability	■ □ □ □ □ □	■ □ □ □ □ □
Quantitativemeasurements	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■
■ □ □ □ □ - Not suitable		■ ■ ■ ■ ■ - Optimal