

I Imaging Mode

Frame Rate Table

ROI Size (W x H)	Max Frame Rate (fps)		ROI area (of sensor)	Example scenarios of use
	16-bit	12-bit		
2048x2048	24	48	22.5 mm x 22.5 mm	Full FOV imaging, Space debris, NEOs, Hyperspectral
2048 x 1200	41	81	22.5 mm x 13.2 mm	High density multitrack on Kymera/Shamrock
1608x1608	30	61	17.7 mm x 17.7 mm	Reduced ROI, faster frame rates
1400x1400	35	70	15.4 mm x 15.4 mm	
1200x1200	41	81	13.2 mm x 13.2 mm	
1024x1024	48	95	11.3 mm x 11.3 mm	
512x512	95	190	5.6 mm x 5.6 mm	
256x256	190	378	2.8 mm x 2.8 mm	
128x128	378	750	1.4 mm x 1.4 mm	
2048x8	5415	9747	22.5 mm x 88 μm	Single or dual track spectroscopy
2048x2	16244	24367	22.5 mm x 22 μm	Single track spectroscopy
2048x1	24367	24367	22.5 mm x 11 μm	Single track spectroscopy with ultrafast rates

Note: frame/spectral rates do not differ if partial or full rows are selected.

M Multi-track Mode

Vertically binned tracks (overlap ON)

Number of Tracks	Track height (h)		Track separation (d)		Max Acquisition Rate	
	Pixels	μm	Pixels	μm	16-bit	12-bit
2	10	110	10	110	2,321	3,749
2	10	110	0	0	2,321	4,430
2	20	220	10	110	1,189	2,119
6	50	550	40	440	162	323
10	10	110	0	0	483	956
10	20	220	0	0	242	483
10	30	330	30	330	81	462
50	20	220	0	0	49	97
60	20	220	0	0	41	81
100	20	220	0	0	24	49

S Spectroscopy Mode

Vertically binned tracks (overlap ON)

Array Size (W x H)	Max Spectra Rate	
	16-bit	12-bit
any x 1	24,367	24,367
any x 2	16,244	24,367
any x 8	5,415	9,747
any x 1200	41	81
any x 2048	24	48

