

Overview of selected CCD Cameras

imaging parameters	spectral response	sensi- tivity	image rate	spatial resolution		time resolution	intensity resolution	
Camera ¹	Spectral Range	Read- Out Noise	Frames/s ² (Pixel Rate)	CCD Chip Size	CCD Pixel Size	Expo- sure	Full Well (e-Pixel)	Digiti- zation
Imager E-lite 2M	400 - 850nm	8 e-	14 (30MHz)	1600x1200	4.4 µm	100 µs - 80ms	9 k	12bit
Imager QE Imager intense	290 - 1100nm	<5 e-	10 (12.5MHz)	1376x1040	6.45 µm	100ns - 1000s	18 k	12bit
Imager pro X 2M	290 - 1100nm	<12 e-	30 (40MHz)	1600x1200	7.4 µm	500ns - 49d	40 k	14bit
Imager pro X 4M	290 - 1100nm	<12 e-	14 (40MHz)	2048x2048	7.4 µm	500ns - 49d	40 k	14bit
Imager pro X 11M	290 - 1100nm	<12 e-	5 (2x32MHz)	4008x2672	9.0 µm	500ns - 49d	60 k	14bit
Imager EM	290 - 1100nm	1-10e-	13 (16MHz)	1004x1002	8.0 µm	75 µs - 1h	70 k	12bit
UltraSpeedStar	300-800nm	< 8 e-	1 MHz framing rate	640x512 1280x1024	4.65 µm	500ns - 1s	13 k	12bit

¹ pro X models have built-in memory (512 MB - 4 GB available)

² can be increased by image reduction (binning, windowing)

 = outstanding feature