


Model	ZL41 Cell 5.5			ZL41 Cell 4.2	
					
Sensor type	Front Illuminated Scientific CMOS				
Array Size	2560 x 2160 (5.5 Megapixel)			2048 x 2048 (4.2 Megapixel)	
Sensor Diagonal (mm)	21.8			18.8	
Pixel Size (µm)	6.5			6.5	
QE max (%)	64			82	
QE Profile Options	FI			FI	
Read noise (e-) Median [rms]	@ 200 MHz @ 560 MHz	Rolling Shutter 0.9 [1.2] 1.2 [1.6]	Global Shutter 2.3 [2.5] 2.4 [2.6]	@ 216 MHz @ 540 MHz	Rolling Shutter 0.90 [1.1] 1.10 [1.3]
Max. Frame Rate (fps, full array)	100 (CameraLink) 40 (USB 3.0)			100 (CameraLink) 53 (USB 3.0)	
Min. Read Noise Median (e-)	0.9 (rolling) 2.3 (global)			0.9	
Maximum dynamic range	30,000			30,000	
Interface options	USB 3.0 or Camera Link				
SRRF-Stream+ Compatible	No			Yes	

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