



High Performance Sensors - Product Selection Guide

Area-Array Product Matrix

Sensor	Sensor Active Area	Resolution	Pixel Size (microns)	Read Out (MHz)	Frame Rate (FPS)	Spectral Response (nm)	Dynamic Range	Shutter Mode	Power Supply (V)	Typical Power (mW)	Features
DYN0174	24 mm x 18 mm 4:3	4800 X 3600	5.0 X 5.0	up to 315	45 FPS @ full resolution, 3-port 90 FPS @ full resolution, 6-port	350-1100	>120db Dual Integration >62dB Single Integration	Global/Rolling	1.8 and 3.3	< 2800 @ 30fps	High Sensitivity, Low Noise, High Speed, ROI Global Shutter and Rolling Shutter Modes, HDR, CMST™
DYN0032	10.28 mm x 7.8 mm 4:3	2056 X 1560	5.0 X 5.0	up to 125	60 FPS @ full resolution, 2-port 120 FPS @ full resolution, 4-port	350-1100	>120db Dual Integration >62dB Single Integration	Global/Rolling	1.8 and 3.3	< 790 @ 30fps	High Sensitivity, Low Noise, High Speed, ROI Global Shutter and Rolling Shutter Modes, HDR, CMST™
DYN0021	9.6 mm x 5.4 mm 16:9	1920x1080	5.0 X 5.0	up to 135	120 FPS @ full resolution, 2-port 240 FPS @ full resolution, 4-port	350-1100	>120db Dual Integration >62dB Single Integration	Global/Rolling	1.8 and 3.3	< 760 @60fps	High Sensitivity, Low Noise, High Speed, ROI Global Shutter and Rolling Shutter Modes, HDR, CMST™

Line-Scan Product Matrix

Sensor	Sensor Active Area (microns)	# of Pixels	Pixel Size (microns)	Read Out (MHz)	Full Well (Ke)	Sensitivity (V/lux.sec)	Shutter - Min. time (sec)	Low power stand by	Power Supply (V)	Typical Power (mW)	Features
DLIS2K	32 x 8192 12 x 8192	4 rows of 2048	1 row of 4 X 32 3 rows of 4 x 4	0.1 - 120	110 14	100 80	2 E-6		3.0 - 3.6	170	11 bit A/D, Auto Dynamic Thresholding, Binary Output w/ Programmable Hysteresis, CMST™
RPLIS2K	32 x 8192	2048	4 X 32	0.2 - 2	138	22	11 CLK	x	2.8 - 3.3	9	Analog Video output, on-chip Auto Dynamic Thresholding with Digital output, Low power operation, on-chip CDS
SLIS2K	7 x 14336	2048	7 X 7	0.050 - 120	480	0.53			4.75 - 5.25	1150 @ 120 MHz MCLK	Single-port High speed Analog video, up to 27k lines/second, high full well, Simple operation, Ceramic leadless chip carrier package
ELIS1024	125 x7987	1024 512 256 128	7.8 x 125 15.6 x 125 (bin) 31.2 x 125 (bin) 62.4 x 125 (bin)	0.001 - 30	800 1600 3200 6400	6.7	1.00E -08	x	2.8 - 5.5	100 50 30 15	Selectable Resolutions of 1024, 512, 256 and 128 pixels, Wide operating range, High sensitivity and simple operation
LIS500	62.5 x 3900	500	7.8 x 62.5	0.015 - 1.0	400	22		x	2.7 - 3.0	6	Low Cost
LIS500IR	300x3900	500	7.8 x 60 7.8 x 120 7.8 x 180 7.8 x 240 7.8 x 300	0.015 - 0.80	680	12.77		x	2.8 - 5.0	4	High Performance Electronic Shutter Binning
LIS770i	312.5x6006	770	7.8 x 62.5 7.8 x 125 7.8 x 187.5 7.8 x 250 7.8 x 312.5	0.015 - 0.75	310	44.5		x	2.8 - 3.3	5	High Performance Electronic Shutter Binning

Linear Array Sensor Product Selection

Product	Bar Code	Positioning	Triangulation	Scanning	Touch Screen	Spectroscopy
DLIS 2K	x	x	x	x	x	x
RPLIS 2K	x	x	x	x	x	x
SLIS 2K	x	x	x	x	x	x
ELIS 1024	x	x	x	x	x	x
LIS 500IR	x	x	x	x	x	x
LIS 500	x	x	x	x	x	x
LIS 770i	x	x	x	x	x	x

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