

Freedom of Choice

Sensors Supported in FLI Cameras

Red = Front-Illuminated

Black = Interline Transfer

Blue = Back-illuminated (Thinned)

Sensor Source	Sensor	Camera	Pixels X	Pixels Y	Pixel microns	Array Size (mm)		Area (mm ²)	Diag (mm)	Video Size ¹	Pixels	Full Well
						X	Y					
ON Semi	KAF-50100	ML	8176	6132	6	49.1	36.8	1804.9	61.3	3.8	50.1M	40.3K
ON Semi	KAF-16801	PL,ML	4096	4096	9	36.9	36.9	1359.0	52.1	3.3	16.7M	100K
ON Semi	KAF-16803	PL,ML	4096	4096	9	36.9	36.9	1359.0	52.1	3.3	16.7M	100K
GPixel	GSense4040	KL	4096	4096	9	36.9	36.9	1359.0	52.1	3.3	16.7M	70K
ON Semi	KAF-16200	ML	4500	3600	6	27.0	21.6	583.2	34.6	2.2	16.2M	40K
ON Semi	KAF-09000	PL,ML	3056	3056	12	36.7	36.7	1344.8	51.9	3.2	9.3M	110K
ON Semi	KAF-8300	PL,ML	3326	2504	5.4	18.0	13.5	242.9	22.5	1.4	8.3M	25.5K
ON Semi	KAF-6303	ML	3072	2048	9	27.6	18.4	509.6	33.2	2.1	6.3M	100K
ON Semi	KAF-4320	DC	2048	2048	24	49.2	49.2	2415.9	69.5	4.3	4.2M	500K
GPixel	GSense400	KL	2048	2048	11	22.5	22.5	507.5	31.9	2.4	4.2M	120K
GPixel	GSense2020	KL	2048	2048	6.5	13.3	13.3	177.2	18.8	1.2	4.2M	45K
ON Semi	KAF-3200	ML	2184	1472	6.8	14.9	10.0	148.7	17.9	1.1	3.2M	55K
ON Semi	KAF-1603	ML	1536	1024	9	13.8	9.2	127.4	16.6	1.0	1.6M	100K
ON Semi	KAF-1001	PL,ML	1024	1024	24	24.6	24.6	604.0	34.8	2.2	1048K	500K
e2v	CCD30-11	ML	1024	256	26	26.6	6.7	177.2	27.4	1.7	262K	300K
ON Semi	KAI-43140	ML	8040	5360	4.5	36.2	24.1	872.1	43.5	2.7	43.1M	13K
ON Semi	KAI-29050	ML	6576	4384	5.5	36.2	24.1	872.1	43.5	2.7	28.8M	20K
ON Semi	KAI-16050	ML	4896	3264	5.5	26.9	18.0	483.4	32.4	2.0	16.0M	20K
ON Semi	KAI-16000	ML	4872	3248	7.4	36.1	24.0	866.5	43.3	2.7	15.8M	30K
ON Semi	KAI-16070	ML	4864	3232	7.4	36.0	23.9	860.9	43.2	2.7	15.7M	44K
Sony	ICX834	ML	4242	2830	3.1	13.2	8.8	115.4	15.8	1.0	12.0M	10K
ON Semi	KAI-11002	ML	4008	2672	9	36.1	24.0	867.5	43.4	2.7	10.7M	60K
Sony	ICX814	ML	3380	2704	3.69	12.5	10.0	124.4	16.0	1.0	9.1M	15K
ON Semi	KAI-08670	ML	3600	2400	7.4	26.6	17.8	473.1	32.0	2.0	8.6M	44K
ON Semi	KAI-08051	ML	3296	2472	5.5	18.1	13.6	246.5	22.7	1.4	8.1M	20K
Sony	ICX695	ML	2750	2200	4.54	12.5	10.0	124.7	16.0	1.0	6.0M	17K
ON Semi	KAI-04070	ML	2048	2048	7.4	15.2	15.2	229.7	21.4	1.3	4.2M	44K
ON Semi	KAI-04050	ML	2336	1752	5.5	12.8	9.6	123.8	16.1	1.0	4.1M	20K
Sony	ICX674	ML	1940	1460	4.54	8.8	6.6	58.4	11.0	0.7	2.8M	20K
ON Semi	KAI-2020	ML	1600	1200	7.4	11.8	8.9	105.1	14.8	0.9	1.92M	40K
ON Semi	KAI-02050	ML	1600	1200	5.5	8.8	6.6	58.1	11.0	0.7	1.92M	20K
Sony	ICX825	ML	1360	1024	6.45	8.8	6.6	57.9	11.0	0.7	13.9M	21K
GPixel	GSense6060	KL	6144	6144	10	61.44	61.44	3775	86.9	5.4	37.7M	120K
e2v	CCD230-84 ²	DC	4096	4096	15	61.4	61.4	3775	86.9	5.4	16.8M	100K
e2v	CCD230-42	PL,ML	2048	2048	15	30.7	30.7	943.7	43.4	2.7	4.2M	150K
e2v	CCD42-40	PL,ML	2048	2048	13.5	27.6	27.6	764.4	39.1	2.4	4.2M	100K
GPixel	GSense400	KL	2048	2048	11	22.5	22.5	507.5	31.9	2.0	4.2M	92K
GPixel	GSense2020	KL	2048	2048	6.5	13.3	13.3	177.2	18.8	1.2	4.2M	45K
e2v	CCD47-20	PL,ML	1024	1024	13	13.3	13.3	177.2	18.8	1.2	1048K	100K
e2v	CCD47-10	PL,ML	1024	1024	13	13.3	13.3	177.2	18.8	1.2	1048K	100K
e2v	CCD42-10	PL,ML	2048	512	13.5	27.6	6.9	191.1	28.5	1.8	1048K	100K

GPixel Sensors are sCMOS; all other sensors are CCDs.

CCDs supported in the MicroLine cameras (ML) are also supported in Hyperion cameras. However, Hyperions only support 25 and 45mm shutters.

¹Video size: In the world of video, a diagonal of 16mm is called a 1" sensor.



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