



Camera Lookup Table

SODA VISION PTE LTD GST Reg. No. 201132101Z
11 Woodlands Close, #08-21 Woodlands 11, Singapore 737853
t: +65 6694 0389 sales@sodavision.com www.sodavision.com

Table with 16 columns: Basler Camera, Series, Interface, Sensor, Sensor Vendor, Sensor Type, Shutter, Resolution (Pixels), Resolution (MP), Frame Rate (FPS), Mono / Color, Bit Depth, Pixel Size (µm²), Sensor Size (mm²), Optical Size, Remarks. Includes various camera models like acA640-90um, acA2500-60um, etc.



QA/2016
*** p - progressive scan / g - global shutter / r - rolling shutter

Table with 16 columns: Basler Camera, Series, Interface, Sensor, Sensor Vendor, Sensor Type, Shutter, Resolution (Pixels), Resolution (MP), Frame Rate (FPS), Mono / Color, Bit Depth, Pixel Size (µm²), Sensor Size (mm²), Optical Size, Remarks. Includes models like daA1280-54um-B, daA1280-54uc-B, etc.



*** g - global shutter / r - rolling shutter

Table with 16 columns: Basler Camera, Series, Interface, Sensor, Sensor Vendor, Sensor Type, Shutter, Resolution (Pixels), Resolution (MP), Frame Rate (FPS), Mono / Color, Bit Depth, Pixel Size (µm²), Sensor Size (mm²), Optical Size, Remarks. Includes models like daA1280-54um-CS, daA1280-54uc-CS, etc.



*** g - global shutter / r - rolling shutter

Table with 16 columns: Basler Camera, Series, Interface, Sensor, Sensor Vendor, Sensor Type, Shutter, Resolution (Pixels), Resolution (MP), Frame Rate (FPS), Mono / Color, Bit Depth, Pixel Size (µm²), Sensor Size (mm²), Optical Size, Remarks. Includes models like daA1280-54um-S, daA1280-54uc-S, etc.



*** g - global shutter / r - rolling shutter

Table with 16 columns: Basler Camera, Series, Interface, Sensor, Sensor Vendor, Sensor Type, Shutter, Resolution (Pixels), Resolution (MP), Frame Rate (FPS), Mono / Color, Bit Depth, Pixel Size (µm²), Sensor Size (mm²), Optical Size, Remarks. Includes models like puA1280-54um, puA1280-54uc, etc.



*** g - global shutter / r - rolling shutter

Table with 16 columns: Basler Camera, Series, Interface, Sensor, Sensor Vendor, Sensor Type, Shutter, Resolution (Pixels), Resolution (MP), Frame Rate (FPS), Mono / Color, Bit Depth, Pixel Size (µm²), Sensor Size (mm²), Optical Size, Remarks. Includes models like acA640-90gcm, acA640-90gc, etc.



Camera Lookup Table

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Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution (Pixels)	Resolution (MP)	Frame Rate (FPS)	Mono/Color	Bit Depth	Pixel Size (µm ²)	Sensor Size (mm ²)	Optical Size	Remarks
scA640-70fm	scout	IEEE1394b	ICX424	SONY CCD	CCD	g	659x494	0.3 MP	71	m	8/12	7.4x7.4	4.88x3.66	1/3"	
scA640-70fc	scout	IEEE1394b	ICX424	SONY CCD	CCD	g	659x494	0.3 MP	71	c	8/12	7.4x7.4	4.88x3.66	1/3"	
scA640-74fm	scout	IEEE1394b	ICX414	SONY CCD	CCD	g	659x494	0.3 MP	74	m	8/12	9.9x9.9	6.52x4.89	1/2"	
scA640-74fc	scout	IEEE1394b	ICX414	SONY CCD	CCD	g	659x494	0.3 MP	74	c	8/12	9.9x9.9	6.52x4.89	1/2"	
scA640-120fm	scout	IEEE1394b	ICX618	SONY CCD	CCD	g	659x494	0.3 MP	122	m	8/12	5.6x5.6	3.69x2.77	1/4"	
scA640-120fc	scout	IEEE1394b	ICX618	SONY CCD	CCD	g	659x494	0.3 MP	122	c	8/12	5.6x5.6	3.69x2.77	1/4"	
scA750-60fm	scout	IEEE1394b	MT9V022	Aptina	CMOS	g	752x480	0.3 MP	64	m	8	6x6	4.51x2.88	1/3"	
scA750-60fc	scout	IEEE1394b	MT9V022	Aptina	CMOS	g	752x480	0.3 MP	64	c	8	6x6	4.51x2.88	1/3"	
scA780-54fm	scout	IEEE1394b	ICX415	SONY CCD	CCD	g	782x582	0.5 MP	54	m	8/12	8.3x8.3	6.49x4.83	1/2"	
scA780-54fc	scout	IEEE1394b	ICX415	SONY CCD	CCD	g	782x582	0.5 MP	54	c	8/12	8.3x8.3	6.49x4.83	1/2"	
scA1000-30fm	scout	IEEE1394b	ICX204	SONY CCD	CCD	g	1034x779	0.8 MP	30	m	8/12	4.65x4.65	4.81x3.62	1/3"	
scA1000-30fc	scout	IEEE1394b	ICX204	SONY CCD	CCD	g	1034x779	0.8 MP	30	c	8/12	4.65x4.65	4.81x3.62	1/3"	
scA1300-32fm	scout	IEEE1394b	ICX445	SONY CCD	CCD	g	1296x966	1.3 MP	32	m	8/12	3.75x3.75	4.81x3.62	1/3"	
scA1300-32fc	scout	IEEE1394b	ICX445	SONY CCD	CCD	g	1296x966	1.3 MP	32	c	8/12	3.75x3.75	4.81x3.62	1/3"	
scA1390-17fm	scout	IEEE1394b	ICX267	SONY CCD	CCD	g	1392x1040	1.4 MP	17	m	8/12	4.65x4.65	6.47x4.84	1/2"	
scA1390-17fc	scout	IEEE1394b	ICX267	SONY CCD	CCD	g	1392x1040	1.4 MP	17	c	8/12	4.65x4.65	6.47x4.84	1/2"	
scA1400-17fm	scout	IEEE1394b	ICX285	SONY CCD	CCD	g	1392x1040	1.4 MP	17	m	8/12	6.45x6.45	8.98x6.71	2/3"	
scA1400-17fc	scout	IEEE1394b	ICX285	SONY CCD	CCD	g	1392x1040	1.4 MP	17	c	8/12	6.45x6.45	8.98x6.71	2/3"	
scA1400-30fm	scout	IEEE1394b	ICX285	SONY CCD	CCD	g	1392x1040	1.4 MP	30	m	8/12	6.45x6.45	8.98x6.71	2/3"	
scA1400-30fc	scout	IEEE1394b	ICX285	SONY CCD	CCD	g	1392x1040	1.4 MP	30	c	8/12	6.45x6.45	8.98x6.71	2/3"	
scA1600-14fm	scout	IEEE1394b	ICX274	SONY CCD	CCD	g	1626x1236	2.0 MP	14	m	8/12	4.4x4.4	7.16x5.44	1/1.8"	
scA1600-14fc	scout	IEEE1394b	ICX274	SONY CCD	CCD	g	1626x1236	2.0 MP	14	c	8/12	4.4x4.4	7.16x5.44	1/1.8"	
scA1600-28fm	scout	IEEE1394b	ICX274	SONY CCD	CCD	g	1626x1236	2.0 MP	28	m	8/12	4.4x4.4	7.16x5.44	1/1.8"	
scA1600-28fc	scout	IEEE1394b	ICX274	SONY CCD	CCD	g	1626x1236	2.0 MP	28	c	8/12	4.4x4.4	7.16x5.44	1/1.8"	

*** g - global shutter



Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution (Pixels)	Resolution (MP)	Frame Rate (FPS)	Mono/Color	Bit Depth	Pixel Size (µm ²)	Sensor Size (mm ²)	Optical Size	Remarks
acA2000-340km	ace	CL(full),PoCL	CMV2000	CMOSIS	CMOS	g	2048x1088	2.2 MP	340	m	8/10/12	5.5x5.5	11.26x5.98	2/3"	
acA2000-340kc	ace	CL(full),PoCL	CMV2000	CMOSIS	CMOS	g	2048x1088	2.2 MP	340	c	8/10/12	5.5x5.5	11.26x5.98	2/3"	
acA2000-340kmNIR	ace	CL(full),PoCL	CMV2000	CMOSIS	CMOS	g	2048x1088	2.2 MP	340	m, NIR	8/10/12	5.5x5.5	11.26x5.98	2/3"	
acA2040-180km	ace	CL(full),PoCL	CMV4000	CMOSIS	CMOS	g	2048x2048	4.2 MP	180	m	8/10/12	5.5x5.5	11.26x11.26	1"	
acA2040-180kc	ace	CL(full),PoCL	CMV4000	CMOSIS	CMOS	g	2048x2048	4.2 MP	180	c	8/10/12	5.5x5.5	11.26x11.26	1"	
acA2040-180kmNIR	ace	CL(full),PoCL	CMV4000	CMOSIS	CMOS	g	2048x2048	4.2 MP	180	m, NIR	8/10/12	5.5x5.5	11.26x11.26	1"	

*** f - full configuration / g - global shutter



Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution (Pixels)	Resolution (MP)	Frame Rate (FPS)	Mono/Color	Bit Depth	Pixel Size (µm ²)	Sensor Size (mm ²)	Optical Size	Remarks
avA1000-120km	aviator	CL (base)	KAI-01050	On Semi	CCD	g	1024x1024	1.0 MP	120	m	8/10/12	5.5x5.5	5.63x5.63	1/2"	
avA1000-120kc	aviator	CL (base)	KAI-01050	On Semi	CCD	g	1024x1024	1.0 MP	120	c	8/10/12	5.5x5.5	5.63x5.63	1/2"	
avA1600-65km	aviator	CL (base)	KAI-02050	On Semi	CCD	g	1600x1200	1.9 MP	67	m	8/10/12	5.5x5.5	8.8x6.6	2/3"	
avA1600-65kc	aviator	CL (base)	KAI-02050	On Semi	CCD	g	1600x1200	1.9 MP	67	c	8/10/12	5.5x5.5	8.8x6.6	2/3"	
avA1900-60km	aviator	CL (base)	KAI-02150	On Semi	CCD	g	1920x1080	2.0 MP	62	m	8/10/12	5.5x5.5	10.56x5.94	2/3"	
avA1900-60kc	aviator	CL (base)	KAI-02150	On Semi	CCD	g	1920x1080	2.0 MP	62	c	8/10/12	5.5x5.5	10.56x5.94	2/3"	
avA2300-30km	aviator	CL (base)	KAI-04050	On Semi	CCD	g	2330x1750	4.0 MP	31	m	8/10/12	5.5x5.5	12.85x9.64	1"	
avA2300-30kc	aviator	CL (base)	KAI-04050	On Semi	CCD	g	2330x1750	4.0 MP	31	c	8/10/12	5.5x5.5	12.85x9.64	1"	

*** b - base configuration / g - global shutter



Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution (Pixels)	Resolution (MP)	Frame Rate (FPS)	Mono/Color	Bit Depth	Pixel Size (µm ²)	Sensor Size (mm ²)	Optical Size	Remarks
beA4000-62km	beat	CL (full)	CMV12000	CMOSIS	CMOS	g	4096x3072	12.6MP	62	m	8/10/12	5.5x5.5	22.53x16.9	1.75"	
beA4000-62kc	beat	CL (full)	CMV12000	CMOSIS	CMOS	g	4088x3070	12.6MP	2/1/1900	c	8/10/12	5.5x5.5	22.53x16.9	1.75"	

*** f - full configuration / g - global shutter



Line Scan Camera Lookup Table

Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution	Line Rate (kHz)	Mono/Color	Bit Depth	Pixel Size (µm ²)	Sensor Length (mm)	Remarks
ratL2048-48gm	racer	GigE	DR-2k-7	Awaiba	CMOS	g	2048	51	m	8/12	7.0x7.0	14.3	
ratL4096-24gm	racer	GigE	DR-4k-7	Awaiba	CMOS	g	4096	26	m	8/12	7.0x7.0	28.7	
ratL6144-16gm	racer	GigE	DR-6k-7	Awaiba	CMOS	g	6144	17	m	8/12	7.0x7.0	43	
ratL8192-12gm	racer	GigE	DR-8k-3.5	Awaiba	CMOS	g	8192	12	m	8/12	3.5x3.5	28.7	
ratL12288-8gm	racer	GigE	DR-12k-3.5	Awaiba	CMOS	g	12288	8	m	8/12	3.5x3.5	43	

*** g - global shutter



Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution	Line Rate (kHz)	Mono/Color	Bit Depth	Pixel Size (µm ²)	Sensor Length (mm)	Remarks
ruL2098-10gc	runner	GigE	KLI-2113	On Semi	CCD	g	3x2098	9.2	c	8/12	14x14	29.37	

*** g - global shutter





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Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution	Line Rate (kHz)	Mono/Colour	Bit Depth	Pixel Size (µm ²)	Sensor Length (mm)	Remarks
ratL2048-80km	racer	CL (base), POCL	DR-2k-7	Awaiba	CMOS	g	2048	80	m	8/10/12	7×7	14.3	
ratL4096-80km	racer	CL (medium), POCL	DR-4k-7	Awaiba	CMOS	g	4096	80	m	8/10/12	7×7	28.7	
ratL6144-80km	racer	CL (full)	DR-6k-7	Awaiba	CMOS	g	6144	80	m	8/10/12	7×7	43	
ratL8192-80km	racer	CL (full)	DR-8k-3.5	Awaiba	CMOS	g	8192	80	m	8/10/12	3.5×3.5	28.7	
ratL12288-66km	racer	CL (full)	DR-12k-3.5	Awaiba	CMOS	g	12288	66	m	8/10/12	3.5×3.5	43	

*** b - base configuration / m - medium configuration / f - full configuration / g - global shutter

Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution	Line Rate (kHz)	Mono/Colour	Bit Depth	Pixel Size (µm ²)	Sensor Length (mm)	Remarks
splL2048-39kc	sprint	CL (base)	Dual Line CMOS		CMOS	g	2048	38.6	c	8/10/12	10.0×10.0	20.48	
splL2048-50km/kc	sprint	CL (base)-mono CL (b/m/f)-colour	Dual Line CMOS		CMOS	g	2048	50	m/c	8/10/12	10.0×10.0	20.48	
splL2048-70km/kc	sprint	CL (base)-mono CL (b/m/f)-colour	Dual Line CMOS		CMOS	g	2048	70	m/c	8/10/12	10.0×10.0	20.48	
splL2048-140km	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	2048	140	m	8/10/12	10.0×10.0	20.48	
splL4096-39km/kc	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	4096	38.6	m/c	8/10/12	10.0×10.0	40.96	
splL4096-50km/kc	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	4096	50	m/c	8/10/12	10.0×10.0	40.96	
splL4096-70km/kc	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	4096	70	m/c	8/10/12	10.0×10.0	40.96	
splL4096-140km/kc	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	4096	140	m/c	8/10/12	10.0×10.0	40.96	
splL8192-39kc	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	8192	38.6	c	8/10/12	10.0×10.0	81.92	
splL8192-39kcCJ*2	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	8192	38.6	c	8/10/12	10.0×10.0	81.92	
splL8192-50km	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	8192	50	m	8/10/12	10.0×10.0	81.92	
splL8192-70km	sprint	CL (b/m/f)	Dual Line CMOS		CMOS	g	8192	70	m	8/10/12	10.0×10.0	81.92	

*** b - base configuration / m - medium configuration / f - full configuration / g - global shutter

Basler Camera	Series	Interface	Sensor	Sensor Vendor	Sensor Type	Shutter	Resolution	Line Rate (kHz)	Mono/Colour	Bit Depth	Pixel Size (µm ²)	Sensor Length (mm)	Remarks
L301k/kc	Line Scan	CL (base)	Tri-linear CCD	On Semi	CCD	g	3×2098	9.2	m/c	8/10	14.0×14.0	29.37	
L304k/kc	Line Scan	CL (base)	Tri-linear CCD	On Semi	CCD	g	3×4080	7.2	m/c	8/10	10.0×10.0	40.8	

*** b - base configuration / g - global shutter

Configuration	Number of Data Bits	Maximum Possible Throughput (MB/s)	Number of Cable(s) Required
Base	24	255	1
Medium	48	510	2
Full	64	680	2
Extended-Full	80	850	2