

WHICH BASLER CAMERAS ARE SUITABLE FOR YOUR TRAFFIC APPLICATION?

Camera Recommendations	SPECIFICATIONS							APPLICATIONS							
	Sensor	Sensor Type	Resolution (H x V pixels)	Frame Rate [fps]	Interface	Pixel Size [µm]	Optical Size	ANPR	Enforcement	Tolling	Monitoring	In-Vehicle	Rail & Road		
Basler ace															
	acA1300-200um/uc	ON Semiconductor PYTHON1300	CMOS	1280 × 1024	200	USB 3.0	4.8	1/2"	✓						
	acA1920-40um/uc	Sony IMX249	CMOS	1920 × 1200	40	USB 3.0	5.86	1/1.2"	✓	✓	✓				
	acA1920-150um/uc	ON Semiconductor PYTHON2000	CMOS	1920 × 1200	150	USB 3.0	4.8	2/3"	✓	✓	✓				
	acA1920-155um/uc	Sony IMX174	CMOS	1920 × 1200	155	USB 3.0	5.86	1/1.2"	✓	✓	✓				
	acA2000-165um/uc/umNIR	CMOSIS CMV2000	CMOS	2048 × 1088	165	USB 3.0	5.5	2/3"	✓	✓	✓			✓	
	acA2040-55um/uc	Sony IMX 265	CMOS	2048 × 1536	55	USB 3.0	3.45	1/1.8"	✓	✓	✓				
	acA2440-35um/uc	Sony IMX 264	CMOS	2448 × 2048	35	USB 3.0	3.45	2/3"	✓	✓	✓				
	acA2040-90um/uc/umNIR	CMOSIS CMV4000	CMOS	2048 × 2048	90	USB 3.0	5.5	1"	✓	✓	✓				
	acA2500-60um/uc	ON Semiconductor PYTHON5000	CMOS	2590 × 2048	60	USB 3.0	4.8	1"	✓	✓	✓				
Area Scan	acA1300-60gmNIR	e2v EV76C661	CMOS	1280 × 1024	60	GigE	5.3	1/1.8"	✓						
	acA1300-60gm/gc	e2v EV76C560	CMOS	1280 × 1024	60	GigE	5.3	1/1.8"	✓						
	acA1300-75gm/gc	ON Semiconductor PYTHON1300	CMOS	1280 × 1024	75	GigE	4.8	1/2"	✓						
	acA1600-60gm/gc	e2v EV76C570	CMOS	1600 × 1200	60	GigE	4.5	1/1.8"	✓						
	acA1920-40gm/gc	Sony IMX249	CMOS	1920 × 1200	40	GigE	5.86	1/1.2"	✓	✓	✓				
	acA1920-48gm/gc	ON Semiconductor PYTHON2000	CMOS	1920 × 1200	48	GigE	4.8	2/3"	✓	✓	✓				
	acA1920-50gm/gc	Sony IMX174	CMOS	1920 × 1200	50	GigE	5.86	1/1.2"	✓	✓	✓				
	acA2000-50gm/gc/gmNIR	CMOSIS CMV2000	CMOS	2048 × 1088	50	GigE	5.5	2/3"	✓	✓	✓			✓	
	acA2040-25gm/gc/gmNIR	CMOSIS CMV4000	CMOS	2048 × 2048	25	GigE	5.5	1"	✓	✓	✓				
	acA2040-35gm/gc	Sony IMX 265	CMOS	2048 × 1536	35	GigE	3.45	1/1.8"	✓	✓	✓				
	acA2440-20gm/gc	Sony IMX 264	CMOS	2448 × 2048	20	GigE	3.45	2/3"	✓	✓	✓				
	acA2500-20gm/gc	ON Semiconductor PYTHON5000	CMOS	2590 × 2048	20	GigE	4.8	1"	✓	✓	✓				
	acA2040-180km/kmNIR	CMOSIS CMV4000	CMOS	2048 × 2048	180	CL	5.5	1"						✓	
	Basler aviator														
		avA2300-25gm/gc	ON Semiconductor KAI-4050	CCD	2330 × 1750	26	GigE	5.5	1"	✓	✓	✓			

Specifications are subject to change without prior notice. Latest specifications and availability can be found on our website www.baslerweb.com/products. Please visit www.baslerweb.com/manuals for the detailed camera User's Manual and www.baslerweb.com/thirdparty for information on third party software.

If you still have questions or particular concerns, talk to us. Our technical *sales* and *support* teams are available to assist you with additional product information and to help you select the best camera for your application.

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	Sensor	Sensor Type	Resolution (H x V pixels)	Frame Rate [fps]	Line Rate [kHz]	Interface	Pixel Size [µm]	Optical Size	Sensor Length [mm]	ANPR	Enforcement	Tolling	Monitoring	In-Vehicle	Rail & Road
Area Scan	Basler beat														
	beA4000-62km	CMOSIS CMV12000	CMOS	4096 x 3072	62	-	CL	5.5	1.75"	-		✓			✓
	beA4000-62kc	CMOSIS CMV12000	CMOS	4088 x 3070	62	-	CL	5.5	1.75"	-		✓			✓
	Basler dart														
	daA1280-54um/uc	Aptina AR0134	CMOS	1280 x 960	54	-	USB 3.0	3.75	1/3"	-	✓				✓
	daA1600-60um/uc	EV76C570	CMOS	1600 x 1200	60	-	USB 3.0	4.5	1/1.8"	-	✓				✓
Area Scan	Basler pulse														
	puA1280-54um/uc	Aptina AR0134	CMOS	1280 x 960	54	USB 3.0	3.75	1/3"							✓
	Basler IP Cameras														
	BIP2-1300c	Sony ICX445	CCD	1280 x 960	30	-	Fast Ethernet	3.75	1/3"	-		✓	✓	✓	✓
BIP2-1300c-dn	Sony ICX445	CCD	1280 x 960	30	-	Fast Ethernet	3.75	1/3"	-		✓	✓	✓	✓	
BIP2-1600c	Sony ICX274	CCD	1600 x 1200	12,5	-	Fast Ethernet	4.40	1/1.8"	-		✓		✓	✓	
BIP2-1600c-dn	Sony ICX274	CCD	1600 x 1200	12,5	-	Fast Ethernet	4.40	1/1.8"	-		✓		✓	✓	
BIP2-1920c-dn	Aptina MT9P031	CMOS	1920 x 1080	30	-	Fast Ethernet	2.20	1/3"	-				✓		
BIP2-1920-30c	Sony IMX174	CMOS	1920 x 1080	30	-	Fast Ethernet	5.86	1/1.3"	-	✓	✓	✓	✓	✓	
BIP2-2500c-dn	Aptina MT9P031	CMOS	2560 x 1920	15	-	Fast Ethernet	2.20	1/2.5"	-				✓		
Line Scan	Basler racer														
	all racer models	Awaiba DR-2k-7-DR-12k-3.5	CMOS	2k, 4k, 6k, 8k, 12k	-	51-80	GigE / CL	7.0/3.5	-	14.3-43.0					✓
	Basler sprint														
all sprint models	Dual Line CMOS	CMOS	2k, 4k, 8k	-	38.6-140	CL	10.0	-	20.48-81.92					✓	

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