

General Information

Manufacturer	Basler
Order Number	105996
Camera Category	Line Scan Camera
Camera Series	Basler racer
Warranty	36 Months

Sensor

Sensor Vendor	Awaiba
Sensor	DR-8k-3.5
Shutter	Global Shutter
Sensor Type	CMOS
Resolution (H x V)	8192 px × 1 px
Resolution	8k
Pixel Size (H x V)	3.5 µm × 3.5 µm
Line Rate	12 kHz
Mono/Color	Mono
Spectrum	Visible

Camera Data

Interface	GigE
Pixel Bit Depth	8 bits 12 bits
Synchronization	- free-run - hardware trigger - software trigger
Exposure Control	trigger width or timed
Digital Input	3
Digital Output	2
Power Supply	12-24 VDC

EMVA Data

Quantum Efficiency (typical/minimal)	54.57 % (typical)
Dark Noise (typical/maximal)	7.3 e ⁻ (typical)
Saturation Capacity (typical/minimal)	21.3 ke ⁻ (typical)
Dynamic Range (typical/minimal)	69.3 dB (typical)

Signal-to-Noise Ratio (typical/ minimal)	43.3 dB (typical)
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Housing

Housing Type	Box
Housing Size (L x W x H)	36 mm x 56 mm x 62 mm
Weight	240 g
Lens Mount	■ C-mount ■ F-mount ■ M42 × 0.75 ■ M42 × 1 ■ M58 × 0.75
Operating Temperature	0 °C - 50 °C

Manufacturer

Basler

Conformity

CE (incl. RoHS)	EAC	FCC	GenICam	GigE Vision	IP30
KC	RoHS	UKCA	UL		

