

General Information

Manufacturer	Basler
Order Number	106002
Camera Category	Line Scan Camera
Camera Series	Basler racer
Warranty	36 Months

Sensor

Sensor Vendor	Awaiba
Sensor	DR-12k-3.5
Shutter	Global Shutter
Sensor Type	CMOS
Resolution (H x V)	12288 px × 1 px
Resolution	12k
Pixel Size (H x V)	3.5 μm × 3.5 μm
Line Rate	66 kHz
Mono/Color	Mono
Spectrum	Visible

Camera Data

Interface	Camera Link
Video Output Type	Camera Link (full)
Pixel Bit Depth	8 bits 10 bits 12 bits
Camera Link Clock	32.5/48/65/83.5
Synchronization	- free-run - hardware trigger - software trigger
Exposure Control	trigger width or timed
Power Supply	12-24 VDC

EMVA Data

Quantum Efficiency (typical/minimal)	54.96 % (typical)
Dark Noise (typical/maximal)	7.2 e ⁻ (typical)
Saturation Capacity (typical/minimal)	21.2 ke ⁻ (typical)

Dynamic Range (typical/minimal)	69.3 dB (typical)
Signal-to-Noise Ratio (typical/minimal)	43.2 dB (typical)

Housing

Housing Type	Box
Housing Size (L x W x H)	34 mm x 56 mm x 62 mm
Weight	210 g
Lens Mount	- C-mount - F-mount - M42 × 0.75 - M42 × 1 - M58 × 0.75
Operating Temperature	0 °C - 50 °C

Manufacturer

Basler

Conformity

Camera Link	CE (incl. RoHS)	EAC	FCC	GenICam	IP30
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KC

RoHS

UKCA

UL
