

BASLER STARTER VISION KIT





General Information

Part Number: A2A1920-160UCBAS

Order Number 107821

Product Family ace 2 R

Product Line ace 2 R Basic

Camera Category Area Scan Camera

Sensor

Sensor Vendor Sony

Sensor IMX392

Shu er Global Shu er



Sensor Format	1/2.3"
Sensor Diagonal	7.77 mm
Sensor Type	CMOS
Sensor Size	6.6 mm × 4.1 mm
Resolution (H x V)	1920 px x 1200 px
Resolution	2.3 MP
Pixel Size (H x V)	3.45 µm x 3.45 µm

Frame rate	160fps
Mono/Colour	Colour
Spectrum	Visible

Camera Data

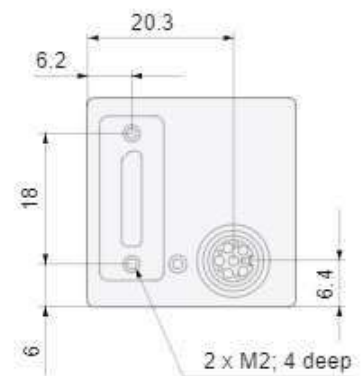
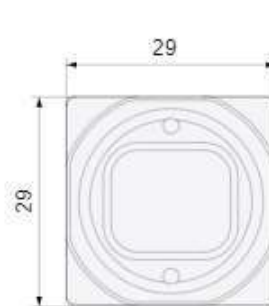
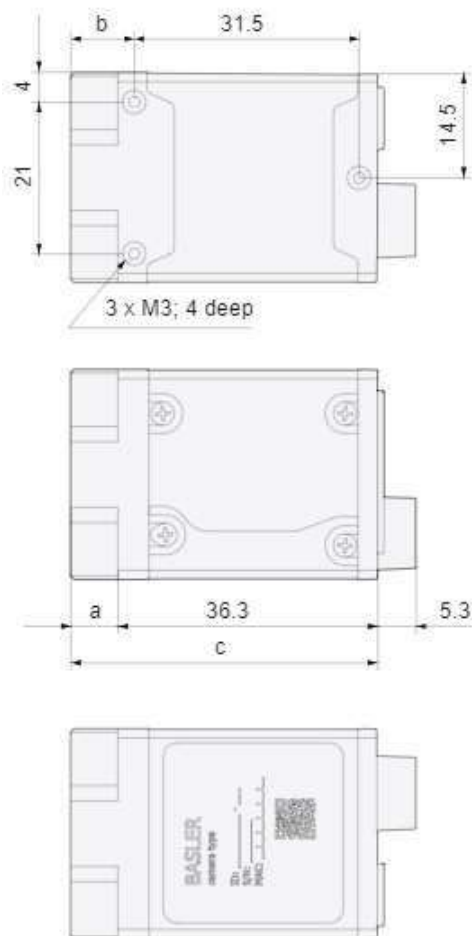
Interface	USB 3.0
Image Data Interface	USB 3.0, nominal max. 5 Gbit/s (SuperSpeed)
Pixel Bit Depth	8 bits 10 bits 12 bits
Exposure Control	Hardware trigger Programmable via the camera API
Digital Input	1
Power Supply	Via USB 3.0 interface



Power Requirements (typical) 3.1 W

Housing

Housing Type	Box
Housing Size (L x W x H)	42.8 mm x 29 mm x 29 mm
Weight	85 g
Lens Mount	C-mount
Operating Temperature	-10 °C - 60 °C



	Front I	Front II	Front III
a	6.1	6.6	7.1
b	8.3	8.8	9.3
c	42.3	42.8	43.3

Not to scale
Dimensions in mm



General Information

Order Number	2000034830
Type	Lens
Lens Type	Fixed Focal Lens
Product Line	Premium

Lens Data

Focal Length	4 mm
Iris	F1.8 - F22
Iris Type	manual
IR Cut Filter	No
Pixel Pitch	2.2 μ m
Mount	C-mount
Sensor Format	1/2.5"
Min. Working Distance	100 mm
Wavelength Range	Visible

Manufacturer

Basler

General Information



Order Number	2200000734
Type	Basler Light
Product Type	Ring Light
Product Line	Standard

Lighting -

Input voltage	24 VDC (+/- 5 %)
Power consumption	6 W / 300 mA (voltage- / current controlled)
LED Color	White
Peak Wavelength (typical)	5000 K
Light Emission	Direct slight diffuse
Light-Emitting surface	72 mm outer diameter, 53 mm inner diameter
Dimensions	80 mm x 92 mm x 12 mm
Weight	120 g
Operating Temperature	0 °C - 30 °C

Relative Humidity (operating, storage)	20 - 70 % (non-condensing)
Recommended light working distance	50 mm - 1000 mm
Maximum object size	600 mm x 600 mm
Protection Class	IP54

Mount –

C-Mount
CS-Mount
S-Mount



Controller -

Drive Current controlled (when used with external light controller) / Voltage

Method - Controlled (24V steady light and triggered light)

Pulse width 100 μ s - ∞ ms

Manufacturer

Basler -

Conformity

- CE
- FCC
- KC
- RoHS
- UKCA



General Information

Order Number	2200000314
Type	Camera Mount Adapter
Mounting Thread	1/4" (DIN 4503)
Size (L x W x H)	51 mm x 29 mm

Manufacturer

Basler



General Information

Order Number	2000026832
Type	Camera Mount
Mounting Type	Tripod
Size (L x W x H)	75 mm x 115 mm

Manufacturer

Basler



General Information

Order Number

2200000908

Type

Lighting Accessory

Lighting Accessory Type

Bracket

Manufacturer

Basler



General Information

Order Number	2200000620
Type	Data Cable
Product Line	Standard
Cable Length	1 m
Connector Camera Side	USB 3.0 Micro B, locking screws
Connector Host Side	USB 3.0 Type A
Moving characteristic	static
Interface	USB 3.0

Manufacturer

Basler



General Information

Order Number

2200000899

Type

Lighting Cable

Lighting Accessories Type

Cable

Cable Length

5 m

Manufacturer

CONEC