

Basler boost boA4096-93 Monochrome Camera Kit

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Basler boost CoaXPress 2.0 Camera Kits

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SPECIFICATIONS

General

Monochrome Camera

Type:

boA4096-93cm

Model Number:

Manufacturer:

Basler	
boost	Camera Series:
Note: Kit includes a camera, CXP-12 interface card, CXP data cable, 2 heat sinks, an I/O cable, and C-Mount Lens adapter (adapter is required to attach lens)	
Monochrome	Spectrum:
Physical & Mechanical Properties	
45 x 80 x 80 (includes connectors and lens mount)	Dimensions (mm):
180	Weight (g):
Full	Housing:
Sensor	
Not Specified	Image Buffer:
1"	Sensor Format:
8.90	Resolution (Megapixels):
93.00	Frame Rate (fps):
4,096 x 2,168	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
14.13 x 7.48	Sensing Area, H x V (mm):
Sony IMX255	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8 bit	Pixel Depth:
Programmable via camera API, hardware trigger	Exposure Time:
Not Specified	Dynamic Range (dB):
CoaXPress 2.0, GenICam	Machine Vision Standard:
Electrical	
9.6	Power Consumption (W):
Hardware & Interface Connectivity	
CoaXPress 2.0 (CXP-12)	Interface:
CoaXPress, Micro-BNC	Connector:
Power over CoaXPress or via GPIO	Power Supply:
1 opto-coupled input, 2 GPIO	GPIOs:
Hardware Trigger (GPIO), Software Trigger, or Free-Run	Synchronization:
Back Panel	Interface Port Orientation:
6-pin M7	GPIO Connector Type:
Software Driver: Windows	Operating System:
Threading & Mounting	
C-Mount	Mount:
1/4-20 (Integrated into Housing)	Mounting Threads:

Environmental & Durability Factors	
0 to +50	Operating Temperature (°C):
-20 to +80	Storage Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

PRODUCT DETAILS

- Utilize Full Sensor Potential in Both Resolution and Speed
- High Bandwidth CoaXPress 2.0 (CXP-12) Cameras
- CXP-12 Interface Card 1C Included with Cameras

The Basler boost CoaXPress 2.0 cameras combine the performance of a high resolution sensor with the high bandwidth of the CoaXPress 2.0 interface. The CXP-12 interface can achieve speed and bandwidth of up to 12.5 gigabits per second, which is ideal for applications where high data rates and short latency periods are required. These cameras work with Basler’s Pylon software. The camera kits include a camera (without a mount), a CXP-12 interface card 1C, a CXP data cable, 2 heat sinks, a C-mount lens adapter, and an I/O cable. The Basler boost CoaXPress 2.0 cameras are a great choice for applications that require high data rates and resolutions and where the camera’s image data must be transferred over long distances.