

Basler boost boA4096-93 Monochrome Camera Kit

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Basler boost CoaXPress 2.0 Camera Kits

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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

boA4096-93cm **Model Number:**

Basler **Manufacturer:**

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)

Physical & Mechanical Properties

Dimensions (mm):
45 x 80 x 80 (includes connectors and lens mount)

Weight (g):
180

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
1"

Resolution (Megapixels):
8.90

Frame Rate (fps):
93.00

Pixels (H x V):
4,096 x 2,168

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
14.13 x 7.48

Imaging Sensor:
Sony IMX255

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
8 bit

Exposure Time:
Programmable via camera API, hardware trigger

Dynamic Range (dB):
Not Specified

Machine Vision Standard:
CoaXPress 2.0, GenICam

Electrical

Power Consumption (W):
9.6

Hardware & Interface Connectivity

Interface:
CoaXPress 2.0 (CXP-12)

Connector:
CoaXPress, Micro-BNC

Power Supply:
Power over CoaXPress or via GPIO

GPIOs:
1 opto-coupled input, 2 GPIO

Synchronization:
Hardware Trigger (GPIO), Software Trigger, or Free-Run

Interface Port Orientation:
Back Panel

GPIO Connector Type:
6-pin M7

Operating System:
Software Driver: Windows

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
1/4-20 (Integrated into Housing)

Environmental & Durability Factors

Operating Temperature (°C):

0 to +50

Storage Temperature (°C):

-20 to +80

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.

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