

# Basler boost boA4096-93 Monochrome Camera Kit

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Basler boost CoaXPress 2.0 Camera Kits

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## Product Downloads

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

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## Regulatory Compliance

[Compliant](#)

**RoHS 2015:**

[View](#)

**Certificate of Conformance:**

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[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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