

Basler boost boA4096-93 Monochrome Camera Kit

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Basler boost CoaXPress 2.0 Camera Kits

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C\$6,209^{.00}

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Monochrome	Spectrum:
General	
Monochrome Camera	Type:
boA4096-93cm	Model Number:
Basler	Manufacturer:
	Camera Series:

boost

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 x80 x80 (includes connectors and lens mount)	
Weight (g): 180	

Housing: Full	
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Sensor

Image Buffer: Not Specified	
Sensor Format: 1"	
Resolution (Megapixels): 8.90	
Frame Rate (fps): 93.00	
Pixels (H x V): 4,096 x2,168	
Pixel Size, H x V (µm): 3.45 x3.45	
Sensing Area, H x V (mm): 14.13 x7.48	
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	
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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	
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-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.