

Basler boost boA4112-68 Monochrome Camera Kit

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Basler boost CoaXPress 2.0 Camera Kits

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1

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€4.090⁰⁰

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Monochrome

Spectrum:

General

Monochrome Camera

Type:

boA4112-68cm

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-Mbunt 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:
1.1"	

	Resolution (Megapixels):
12.30	

	Frame Rate (fps):
68.00	

	Pixels (H x V):
4,096 x 3,000	

	Pixel Size, H x V (µm):
3.45 x 3.45	

	Sensing Area, H x V (mm):
14.13 x 10.35	

	Imaging Sensor:
Sony IMX253	

	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):
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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.