

# 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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 €4.210<sup>00</sup>

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## SPECIFICATIONS

### General

Type:

Monochrome Camera

Model Number:

boA4112-68cm

|                                                                                                                                                                              |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Basler                                                                                                                                                                       | Manufacturer:               |
| boost                                                                                                                                                                        | Camera Series:              |
| <div>Note:<br/>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)</div> |                             |
| 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:               |
| 1.1"                                                                                                                                                                         | Sensor Format:              |
| 12.30                                                                                                                                                                        | Resolution (Megapixels):    |
| 68.00                                                                                                                                                                        | Frame Rate (fps):           |
| 4,096 x 3,000                                                                                                                                                                | Pixels (H x V):             |
| 3.45 x 3.45                                                                                                                                                                  | Pixel Size, H x V (µm):     |
| 14.13 x 10.35                                                                                                                                                                | Sensing Area, H x V (mm):   |
| Sony IMX253                                                                                                                                                                  | 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-Mbunt                                                                                                                                                                      | Mount:                      |

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