NEW CXP-12 CAMERA
BASLER BOOST

CXP-12

The boost is Basler's first camera with a CoaXPress 2.0 interface that offers its users a high bandwidth for data transfer. New CMOS sensors in combination with the latest frame grabber technology make fast data transmission of large amounts of data over long distances easy – and this for an extraordinary price/performance ratio.

As a market and technology leader, Basler has made it its mission to constantly explore new trends and offer its customers new and better opportunities for their individual applications. This initiative now brings them the new Basler boost camera series. With these high-speed and high-performance cameras, Basler enters a new segment for demanding applications. Combined with the essential and matching Basler CXP-12 Interface Card, the cameras ensure impeccable image transmission.

CoaXPress®

With the boost camera series, Basler combines the new CoaXPress 2.0 standard, offering a galactically high bandwidth, with a new world of CMOS sensor performance to simplify complex image processing systems at an unsurpassed price/performance ratio. High speed, high resolution and easy cabling are just some of the advantages of combining the new standard with state-of-the-art CMOS sensor technology.
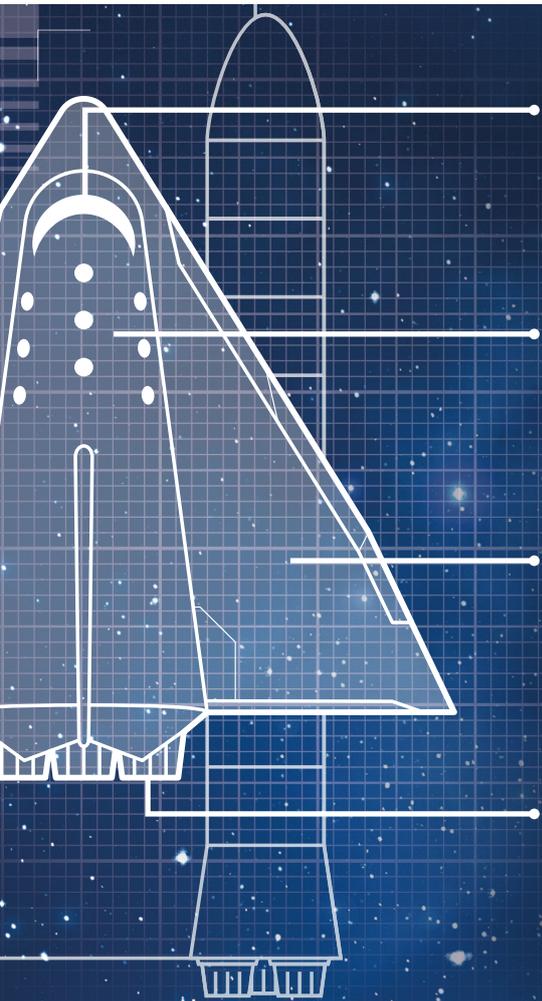
Five-star control with frame grabber technology

- Basler understands the challenges of complex imaging systems, such as the interaction between camera and frame grabber technology
- Basler provides both, camera and interface card, for a smooth interaction and high ease of integration with only one software development kit

Unmatched price/performance ratio

- Connecting the latest standards with up-to-date hardware solutions
- Simplifying complex imaging systems for reduced hardware costs
- Solutions delivered by one single supplier for reduction of integration costs

Galactic high bandwidth with CoaXPress 2.0

- Increased maximum bandwidth over a single connection up to 12.5 Gbit/s
- Single-cable solution for data transfer, camera control, trigger option and power supply
- Reduced accessory costs and complexity of vision systems

A new world of CMOS sensor performance

- High speed and resolution
- Improved noise characteristics, quantum efficiency, and color concepts
- Cost efficiency in megapixel/second

Stay up-to-date with the latest CoaXPress 2.0 standard, state-of-the-art CMOS sensor performance and frame grabber technology as well as Basler's product releases: **baslerweb.com/performance**

New CXP-12 Camera – Basler boost

TECHNICAL DETAILS

Basler CXP-12 boost Camera

Find the camera model fitting YOUR application, available with C-mount and F- mount.

Camera Model	Sensor	Resolution (H × V)	Frame Rate	Interface	Camera Size (mm)	Digital Input	General Purpose I/O
boA4112-68cc	IMX253	4112×3008	68 fps	CXP-12	80×80×45	1	2
boA4112-68cm	IMX253	4112×3008	68 fps	CXP-12	80×80×45	1	2
boA4096-93cc	IMX255	4112×2176	93 fps	CXP-12	80×80×45	1	2
boA4096-93cm	IMX255	4112×2176	93 fps	CXP-12	80×80×45	1	2

subject to change. Visit website for most up-to-date specfications: *baslerweb.com/boost*

Basler CXP-12 boost Bundle

If you need the right interface card for your application in addition to the CoaXPress camera, Basler has the perfect solution for you. While in the past customers had to purchase the various hardware components from different suppliers, today we offer you the opportunity to obtain them from a single source. The advantage for you: a smooth integration with the tested and qualified components into your image processing system and at the same time a noticeable cost advantage.
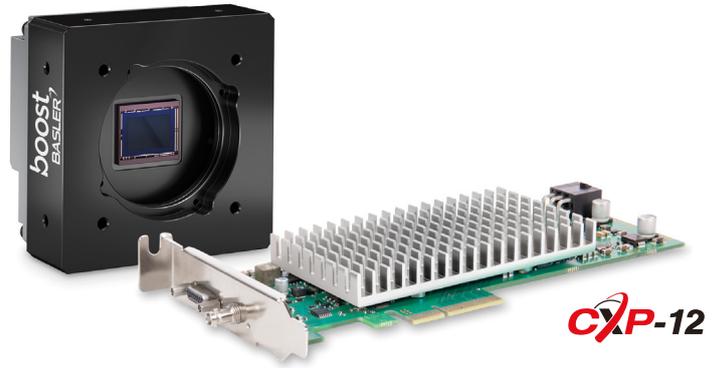
Basler CXP-12 Interface Card

The CXP-12 Interface is part of the Basler boost Bundle and cannot be ordered separately.

Interface Card Model	Camera Connector	Interface Host	Trigger Connector	Data Rate (max.)	Software Drivers	Size
Basler CXP-12 Interface Card 1C	Micro-BNC (HD-BNC)	PCIe 3.0 x4	D-Sub Micro-D 15pin	12,5 Gbps	Windows 10/7 (32-Bit, 64-Bit), Linux (64-Bit)	167,65mm×68,90mm x 12,7mm (low profile)
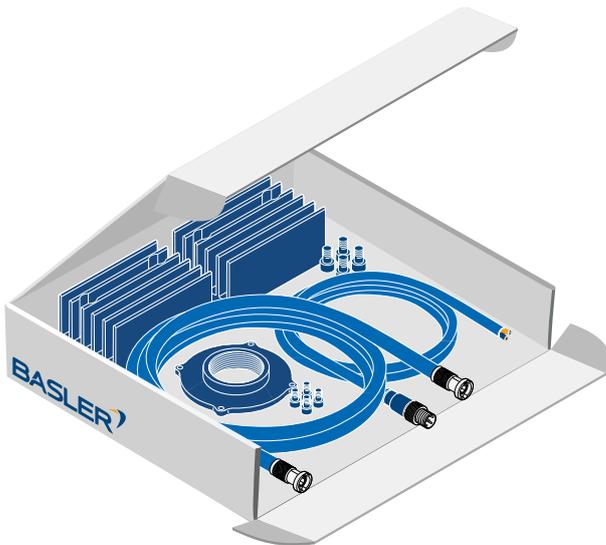
CXP-12 Starter Kit boost

With the Basler CXP starter kit, you can immediately start up and evaluate your Basler boost camera bundle.
The set contains:

- A CXP-12 data cable to connect the CXP interface card and camera
- Cooling fins to ensure sufficient cooling of the camera on your evaluation desk
- The C-mount lens adapter which can be used to attach your C-mount lens
- An I/O cable which allows a hardware trigger to be sent to your camera

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