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BASLER BOOST COAXPRESS CAMERAS

CoaXPress 2.0 for high bandwidths and large resolutions

BOA4504-100CM
Boost CoaXPress Camera, IMX531, 1.1", CMOS, 100 fps, 20 MP, Mono



- Resolution: up to 127 MP and frame rate: up to 400 fps
- Supported by Pylon Suite software and open-source SDKs for easy image acquisition and fast application development
- C-mount, 42mm and F-mount lens options
- Excellent image quality, even at high data rates
- CoaXPress interface (12.5 Gbps transfer rate)

PRODUCT DESCRIPTION

The Basler Boost series of CoaXPress 2.0 (CXP-12) cameras offer excellent image quality even at high data rates (up to 12.5 Gbps per cable), with high resolution and high performance. Equipped with Sony Pregius sensors or XGS series sensors from ON Semiconductor, the Boost range can achieve outstanding image quality with up to 127 megapixels and state-of-the-art global shutter technology.

The Boost CoaXPress 2.0 range is ideal for applications where high data rates and resolutions are important and where the image data must cover greater distance. For example, applications in the semiconductor and solar industry, display inspection, print inspection, food inspection and medical technology.

A range of adaptor plates are available, allowing the Boost camera to be used with M42x0.75, M42x1.0, C-mount or F-mount lenses.

TECHNICAL DATA

Sensor model	IMX531
Resolution max	4504x4504
Frame rate max	100 fps
Mono/color	Mono
Shutter type	Global

Interface	CoaXPress 2.0
3612_Pixel size (µm)	2.74 x 2.74
Sensor size	1.1"
Digital inputs	1
Approvals	RoHS, CE, GenICam, UL, EAC
Sensor supplier	Sony
Sensor Type	CMOS
Lens barrel	C-mount, F-mount, M42x0.75, M42x1
Weight	480 g
Length	45 mm
Width	80 mm
Height	80 mm
Power consumption	96 W
Operating temperature	0°C … 50°C