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BASLER BOOST COAXPRESS CAMERAS

CoaXPress 2.0 for high bandwidths and large resolutions

BOA1936-400CM
Boost CoaXPress Camera, IMX421, 2/3", CMOS, 400 fps, 3 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

3612_Pixel size (µm)	4.5 x4.5
Approvals	RoHS, CE, GenICam, UL, EAC
Digital inputs	1
Frame rate max	400 fps
Height	80 mm

Interface	CoaXPress 2.0
Length	45 mm
Lens barrel	C-mount, F-mount, M42x0.75, M42x1
Mono/color	Mono
Operating temperature	0°C … 50°C
Power consumption	9.6 W
Resolution max	1936 x 1464 px
Sensor model	IMX421
Sensor size	2/3"
Sensor supplier	Sony
Sensor Type	CMOS
Shutter type	Global
Weight	480 g
Width	80 mm