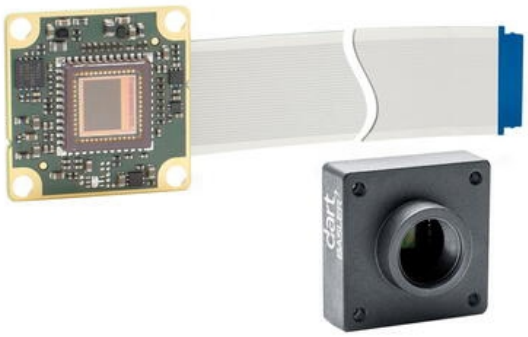
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BASLER DART MIPI BOARD LEVEL CAMERAS

Basler Dart MIPI Cameras for embedded vision systems

DAA2500-60MC/S
BCON for MIPI, Host Processor, 60 fps, 1/2.5", AR0521, Colour, S-Mount



- Resolution 5-13 Megapixels
- Speed 30-60 fps
- Colour image
- MIPI CSI-2 interface for embedded vision camera applications
- S-Mount and bare board versions

PRODUCT DESCRIPTION

Basler's Embedded Vision Camera Modules enable versatile embedded camera applications. They can be connected to a minicomputer or even directly to a SoC chipset or FPGA processor. You can take advantage of Basler camera modules in a variety of applications from medical devices to code readers or stereo camera systems

Camera modules are available with USB 3.0, BCON for MIPI and BCON for LVDS interfaces. Basler's pylon Camera Software Suite facilitates software development by providing a unified software interface (API) for camera configuration and image capture across all interfaces. Basler's camera modules, of course, offer excellent quality, as well as compatibility with industrial machine vision standards and GenICam.

The BCON for MIPI interface developed by Basler is designed for rapid integration with devices that incorporate the MIPI CSI-2 standard video interface. Depending on the model, image preprocessing is done either on the host's ISP circuitry, allowing for highly integrated embedded applications to be built, or in the camera's own FPGA circuitry, providing flexibility in application design. Currently, dart MIPI camera modules are compatible with Qualcomm Snapdragon SoCs and NXP i.MX 8 series processor cards.

TECHNICAL DATA

3612_Pixel size (µm)	2.2 x 2.2
Approvals	CE, FCC, GenICam, RoHS, UL, EAC
Digital inputs	2
Digital outputs	2
Frame rate max	60 fps
Height	53 mm
Interface	BCON for MIPI
Length	27 mm
Lens barrel	S-mount
Mono/color	Color
Power consumption	6 W

Resolution max	2560 x 1920 px
Sensor model	AR0521
Sensor size	1/2.5"
Sensor supplier	ON Semiconductor
Sensor Type	CMOS
Shutter type	Rolling
Weight	9 g
Width	27 mm