

## BASLER DART MIPI BOARD LEVEL CAMERAS

Basler Dart MIPI Cameras for embedded vision systems

DAA4200-30MCI  
BCON for MIPI, In-Camera Processing, 30 fps, 1/3",  
AR0521, Colour, No 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

|                   |                                 |
|-------------------|---------------------------------|
| Approvals         | CE, FCC, GenICam, RoHS, UL, EAC |
| Digital inputs    | 2                               |
| Digital outputs   | 2                               |
| Frame rate max    | 30 fps                          |
| Height            | 5.3 mm                          |
| Interface         | BCON for MIPI                   |
| Length            | 27 mm                           |
| Lens barrel       | Bare board                      |
| Mono/color        | Color                           |
| Pixel size        | 1.1 x 1.1                       |
| Power consumption | 0.6 W                           |

|                 |                  |
|-----------------|------------------|
| Resolution      | 13MP             |
| Resolution max  | 4208 x 3120 px   |
| Sensor model    | AR1335           |
| Sensor size     | 1/3"             |
| Sensor supplier | ON Semiconductor |
| Sensor Type     | CMOS             |
| Shutter type    | Rolling          |
| Weight          | 5 g              |
| Width           | 27 mm            |