

30fps Area Scan Cameras

Product Overview

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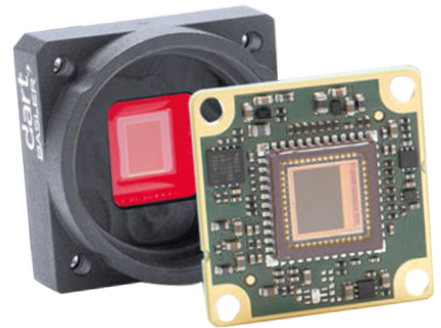
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Description

Basler dart 30fps Area Scan Cameras are a BCON for MIPI camera module with the ON semiconductor AR1335 CMOS sensor. The area scan cameras support up to 30 frames per second at 13MP resolution. The dart series cameras are a flexible mount concept allowing for a variety of lenses to be used, including affordable S-mount lenses.

BCON incorporates the synergies made possible by combining embedded interface technologies such as LVDS or MIPI CSI-2 with machine vision features and technology standards like GenICam.

The dart daA4200-30mci area scan cameras offer color creation, color enhancement, and image acquisition control. The cameras offer two models, mount (consists of a circuit board and a camera front) and no mount (consists of a circuit board only).



Features

- Synchronization:
 - Free-run
 - Software trigger
- Exposure Control:
 - Programmable via the camera API
 - Automatic
 - Manual
- 2 digital inputs
- 2 digital outputs

Specifications

- 0.6W power consumption (typical)
- In-Camera image processing
- 10 bits pixel depth
- AR1335 sensor
- ON semiconductor sensor vendor
- Rolling shutter
- CMOS sensor type
- 4208px x 3120px resolution (H x V)
- 13MP resolution
- 1/3" maximum image circle
- 1.1µm x 1.1µm pixel size (H x V)
- 30fps frame rate
- Interface BCON for MIPI
- 27mm x 27mm x 5.3mm housing size (L x W x H)
- 5g weight (typical)
- Board-level housing type
- 5V DC power requirements (via BCON for MIPI interface)

Mouser Part Numbers

[View all Parts](#)

To learn more, visit <https://www.mouser.com/new/basler/basler-dart-30fps-area-scan-cameras/>