

BASLER DART MIPI IMX8 ADD-ON CAMERA

Embedded Vision Kit

DAA2500-IMX8DEVKIT
DevKit daA2500-60mci-IMX8-EVK [108024]



- Basler dart camera with MIPI interface
- 5MP / 60fps or 13MP / 30fps
- Suitable for NXP IMX8 development platforms
- Includes optics and cables

PRODUCT DESCRIPTION

The Basler Dart MIPI IMX8 Add-on Camera Kit is a compact, high-performance embedded vision solution designed for seamless integration with NXP's i.MX 8 series development platforms. This kit includes a Basler dart camera module (available in 5 MP at 60 fps or 13 MP at 30 fps), an S-mount Evetar lens (F1.8, 6 mm focal length), a BCON for MIPI to Mini SAS adapter, and a 0.2-meter flexible flat cable. The camera utilizes a CMOS sensor with a 1/2.5" size and 2.2 μm pixel pitch, featuring a rolling shutter and MIPI CSI-2 interface, ensuring high-quality image capture for various applications.

This add-on camera kit is particularly suited for embedded vision applications in fields such as industrial automation, medical diagnostics, and smart transportation systems. Its compatibility with NXP's i.MX 8 development boards allows for efficient development and deployment of vision-based solutions. The kit's components are optimized for quick setup and integration, providing developers with a reliable and flexible platform for prototyping and implementing advanced imaging applications.

TECHNICAL DATA

3612_Pixel size (μm)	2,2
API configuration	Basler pylon
Camera model	Basler Dart
Focal length	5.5 mm
Frame rate max	60 fps
Interface	MIPI
Lens barrel	S-Mount
Mono/color	Color
Processor	i.MX 8
Sensor size	1/2.5"
Sensor supplier	ON Semiconductor
Sensor Type	CMOS
Shutter type	Rolling