Vision Kit with NVIDIA Jetson Nano

108304 - daA4200-30mci-JNANO-NVDK Embedded Vision Kit

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Basler Embedded Vision Kit with NVIDIA Jetson Nano is used for MIPI camera module System-on-Module (SoM). This kit is easy-to-use with all components needed to evaluate dart cameras with BCON. The embedded vision kit comes with a dart camera module with S-mount lens, an NVIDIA Jetson Nano developer board, a special adapter board, and a cabling to connect these components. Additionally, it also includes necessary drivers, system software, and power supply. This development kit offers a complete plug-and-play design-in package for rapid prototyping of computer vision applications.

Features

- Standard features:
    - Automatic exposure
    - Exposure mode:
        - Timed (control via API)
    - Automatically adjusts the exposure time
    - Automatic gain
    - Gamma correction
    - Test patterns
- Color creation and enhancement:
    - Anti-flicker
    - Sharpness
- Image acquisition control
- Pixel formats
- 5V, 4A power supply

Kit Contents

- daA4200-30mci (S-mount) camera model
- Boards:
    - Basler BCON for MIPI to Jetson nano developer board
    - NVIDIA Jetson nano developer board
- Evetar lens M13B0618W F1.8 f6mm 1/3"
- Cables:
    - 15-pins FFC cable
    - 0.2m FFC cable
- 5V, 4A AC adapter power supply
- USB 2.0 cable: A / Micro B, 1.8m
- HDMI 2.0 cable: A / A, 1.5m
- GigE cable: Cat 5e, 2.0m
- Mounting kit (includes camera mounting plate, spacer bolts, screws, and nuts)
- Monopod
- Basler dart Getting Started Guide

Camera Module Evaluation

Mouser Part Number

View Part

To learn more, visit https://www.mouser.com/new/basler/basler-dart-bcon-embedded-vision-kit/