

/ DUAL CAMERA HI-SPEED I/O MODULE

AVNET®

This high speed I/O module features two Rayprus IAS-compatible imaging modules based on imaging sensors from onsemi. These MIPI sensor modules interface to an onsemi AP1302 imaging coprocessor. This kit simplifies the complex process of developing with imaging sensors.

MIPI-CSI2 is widely used in the consumer industry for high-speed communications from host processor to image sensors, but many image sensor modules have varying connector formats which can lead to difficulties with experimenting with different camera modules. The Imager Access System (IAS) image sensor module format from ON Semiconductor helps solve this problem and enables the following:

- Ease of Design-In: OEMs do not have to source lens or explore module vendors
- Decreases time to market by enabling low-touch design
- Prior imaging system expertise is not required since IAS is a plug-and-play solution

The purpose of the IAS standard is to help any end-product or board designer to gain access to all image sensor modules that are compatible within the IAS standard.

Features

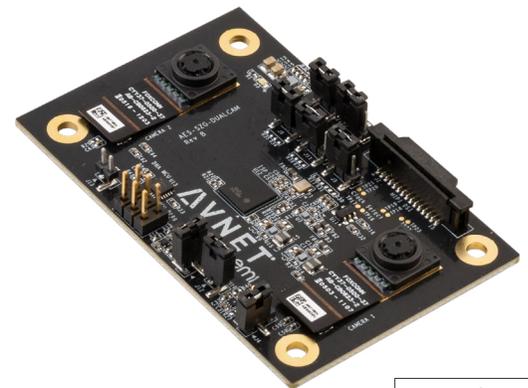
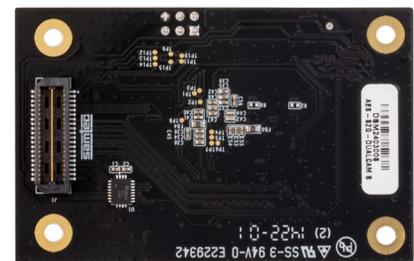
- Sockets for two IAS modules
- onsemi AP1302 imaging coprocessor

Kit includes

- Avnet Dual Camera High Speed I/O Module
- Two Rayprus CAV10-000A one megapixel monochrome IAS modules

Target apps

- IoT
- AI
- Embedded vision
- Computer imaging

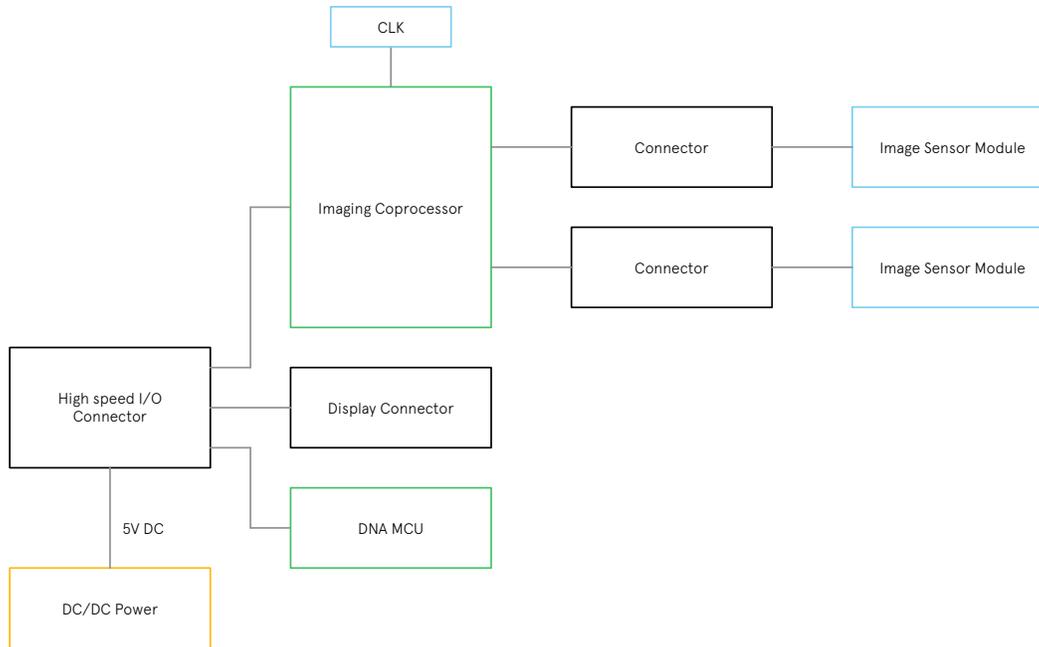


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For more information on the High Speed I/O module, visit: avnet.me/dualcam-hsio-module

To purchase kit, visit: avnet.me/dualcam-hsio-module-pdp

Block diagram



Featured manufacturers



Parts

Part number	Description	Price and availability
AES-ACC-DUALCAM-G	Avnet Dual Camera High Speed I/O Module	avnet.me/dualcam-hsio-module-pdp

Related parts

Part number	Description	Price and availability
AES-ZUB-1CG-DK-G	ZUBoard 1CG development board with ZU+ MPSoC (ZU1CG)	avnet.me/zuboard-1cg-pdp
AP1302CSSL00SMGA0-DR	onsemi 13MP Image Signal Processor	Call for quote
CAV10-000A	Rayprus 1MP Monochrome Camera Module	Call for quote

Countries available for purchase: Americas, EMEA, Asia, Japan

Contact information

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