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NOIP1SN5000A-QDI-A-GEVK: PYTHON 5000 Evaluation Kit (Monochrome)

The NOIP1SN5000-A-QDI-A-GEVK evaluation kit enables evaluation of the monochrome version of the PYTHON 5000 CMOS Image Sensor, a 1 inch 5.3 megapixel CMOS image sensor with a pixel array of 2592 by 2048 pixels.

This kit includes required hardware components to perform a full evaluation of this device, including the monochrome image sensor, the image sensor headboard, Gen 3 FPGA evaluation board, and accessories. Sensor Studio II software (available below) is also required for operation of the evaluation kit, and includes operating manuals and timing information as part of the help system in that software. Note that the appropriate lens must be supplied by the user.

This kit is compatible with other 84-Pin PYTHON image sensors (PYTHON 5000 color and enhanced NIR, plus PYTHON 2000) by purchasing the appropriate sensor. In addition, it can be used with other members of the PYTHON image sensor family by adding the appropriate imaging headboard:

- NOIP1SN0480A-HEAD-BD-A-GEVK
- NOIP1SE0480A-HEAD-BD-A-GEVK
- NOIP-48PIN-HEAD-BD-A-GEVK
- NOIP-355PIN-HEAD-BD-A-GEVK

Please see the Product Brief (available below) for a full list of evaluation requirements, including computer and power specifications.

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Product	Status	Compliance	Short Description	Parts Used	Action
NOIP1SN5000A-QDI-A-GEVK	Active	Pb-free	PYTHON 5000 Evaluation Kit (Monochrome)	NOIP1FN2000A-QDI , NOIP1FN5000A-QDI , NOIP1SE2000A-QDI , NOIP1SE5000A-QDI , NOIP1SN2000A-QDI , NOIP1SN5000A-QDI	›› Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: Manual	PYTHON Image Sensor Evaluation Kit Quick Start Guide	EVBUM2258/D - 113 KB	4
Eval Board: Manual	PYTHON Image Sensor Evaluation Kits	EVBUM2294/D - 266 KB	5
Software	Sensor Studio II Software 64-bit (Zip Format)	Sensor_Studio_II_64bit.zip - 87856 KB 🔒	6.12.49
Eval Board: Schematic	G3 FPGA Evaluation Board Schematic	G3FPGA_SCHEMATIC.pdf - 527 KB	1
Eval Board: Schematic	NOIP-48PIN-HEAD-BD-A-GEVK and NOIP-84PIN-HEAD-BD-A-GEVK Headboard Schematic	NOIP-48PIN-HEAD-BD-A-GEVK_AND_NOIP-84PIN-HEAD-BD-A-GEVK_HEADBOARD_SCHEMATIC.PDF - 2902 KB	1