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SPH (4L-4C)

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Smart portable HILS
4-Channel for
ADAS/AD camera

What is

- The SPH is an ADAS HIL simulation solution for electrical emulation of 4-Channel sensors and actuators. The SPH consists of a SerDes interfacing to main ECU, a signal generator programmed in FPGA and a USB bridge controller interfacing to NAS.
- The USB bridge controller is a Cypress EZ-USB FX3™.
  It is a SuperSpeed(10x of bandwidth) USB 3.0 peripheral controller that enables developers to add USB 3.0 device functionality to data and it creates high-quality HD images with no needs for compression.

Highlights

- Super speedy interface : Quick preview with FX3 USB 3.0
- High-Speed data serialization for megapixel camera
- Excellent synchronizing output data : Programmed in FPGA

Applications

- Autonomous vehicles & Autonomous drones
  - Portable HILS 4-Channel camera
  - Solution for ADAS/AD camera

Technical Details

Input Power	USB Power	
Interface	USB Port	USB 3.0 Micro-B Capability to any system through adding USB 3.1 Gen 1(5.0 Gbps) Up to 32-Bit, 100MHz, GPIF II(parallel General Programmable interface)
	DATA-OUT	GMSL X 4 Coax type output
	Resolution	Maximum 1280 X 960, 30FPS, 12-Bit
	Pixel Format	YUV422 8-Bit (UYVY) or Output Bayer 12-Bit
Dimension	146 X 95 X 55 (mm)	

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Cellplus Korea is a rising corporate within the Edge Computing industry. Backed by cutting-edge engineers and professionals, we provide multifarious hardware, software, and engineering services in order to provide AI & Automotive businesses with high-end solutions to reach their highest potential.

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