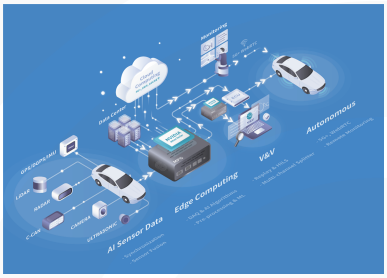
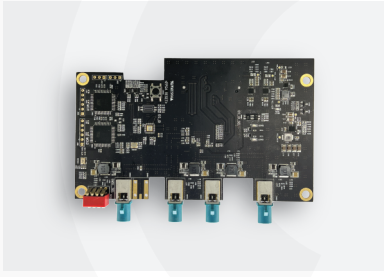
Cellplus Korea
AI data solution @ Edge computing

MPI Series

MPI Series

Interface
for SVM 4-Channel
camera logger
(Add-on Board)





What is

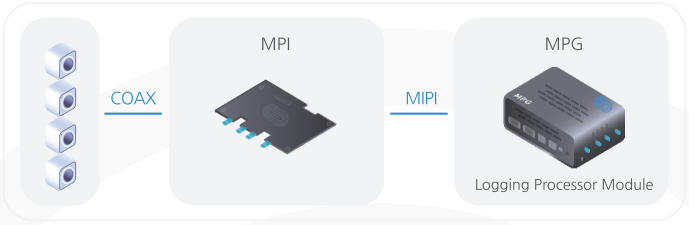
- MPI Series (a logging module based on GMSL, FPD-LINK) converts the data from multi-channel sensors into the MIPI YUV and Bayer data. And it puts the data into the logging module(Nvidia Jetson™ Xavier) synchronously.
- The mega-pixel CMOS image sensor interfaced into the MPI board and Nvidia Jetson™ Xavier AGX of MPI board receives the MIPI CSI-2.
  Also, Nvidia Jetson™ Xavier AGX supports the GMSL1 and GMSL2 through the PoC(Power over Cable) which shares the power and data at once by the identical cable.

Highlights

- High-Performance : Parallel-to-MIPI converter inside / MIPI splitter and transmitter inside
- Super speedy interface : Optimized to 4-Channel megapixel camera data
- Excellent synchronizing : Synchronous logging of the input data from each sensor (up to 4-Channel Camera)

Series

- MPI-1L-4C-M
- MPI-1L-5C-M
- MPI-2L-2C-M
- MPI-4L-4C
- MPI-4L-4C-FP



Technical Details

Interface	Sensor	Converting the parallel data into the MIPI data
	DATA 1 (MPI-4L-4C, MPI-4L-4C-FP)	IN : Parallel Interface OUT : MIPI(Mobile Industry Processor Interface) GMSL1, FPD-LINK III Deserializer
	DATA 2 (MPI-1L-4C-M, MPI-1L-5C-M, MPI-2L-2C-M)	IN : MIPI Interface (YUV or Bayer) OUT : MIPI(Mobile Industry Processor Interface) GMSL2 Coax splitter signal
	Camera Resolution	1M, 4-Channel, 30 FPS 2M, 2-Channel, 30 FPS 4M, 2-Channel, 30 FPS

Cellplus Korea

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.

www.cellplus.io sales@cellplus.io +82-70-5100-4126

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