


Graphin®'s Gpirates, Evaluation Suite for Image Sensor Products, has passed MIPI extensive interoperability tests against 11 different CSI cameras. Release on January 15th 2010

The world of mobile phones rapidly converts to serial interfaces between the various elements, minimizing the EMI and power consumption associated with transfer of high bandwidth video. MIPI (Mobile Industry Processor Interface) defines a set of standards for serial interface between mobile processor units; in particular between the image sensor and the Application Processor (CSI2), and between the Application Processor and the Display (DSI). With mobile phones currently equipped with a high-resolution camera function of over 12 million pixels, manufacturers of image sensors and image-sensing processors have begun trial production or are planning volume production of three-lane or four-lane products based on the MIPI CSI-2 standard in anticipation of demand for more sophisticated camera functions such as even higher resolutions, rapid shooting and high-definition image capture with 1,080-line progressive scanning at 60 fps. Graphin has been supplying products compliant with up to four-lane MIPI CSI-2 standard. Graphin actively contributed to the creation of MIPI CSI2 products. The profound understanding of the standards enabled Graphin engineers to introduce CSI compatible products in early stage of the standards. Gpirates is now technology proven with quite a few CMOS image sensor manufacturers, and Gpirates, Evaluation Suite for Image Sensor Products, has passed UNH IOL labs interoperability tests. Today, Graphin offers a variety of graphic capture boards, for mobile phones, telecom, industrial robotics, computers, and games, compatible with MIPI and SMIA standards. Graphin also offers image-capturing software which comes as a part of the standard offering, allows users to capture images by just following GUI-setting instructions. With an SDK also available, compatibility towards API is ensured with the conventional products, permitting a smooth shift of existing systems. Graphin also provides premium services to customize the standards, if needed. For a full IOL-certified interoperability report, please contact Graphin Tokyo Japan.

 **UNH-IOL MIPI Alliance Test Program**
MIPI CSI-2 Interoperability Report

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Enclosed are the results from the MIPI CSI-2 Interoperability testing performed on:

VLSI Plus / Graphin Gpirates CSI-2 Receiver

This testing was performed during the MIPI Camera Interoperability Workshop held at UNH-IOL from June 29, 2009 – July 2, 2009.

The test suite referenced in this report is available on the MIPI Alliance website:

<http://www.iol.unh.edu/services/testing/mipi/testsuite.php>

Issues Observed While Testing

- No issues were observed.

For specific details regarding issues please use the corresponding test result.

Test Report Completed
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