

For Immediate Release

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Cybernet Systems Co., Ltd.

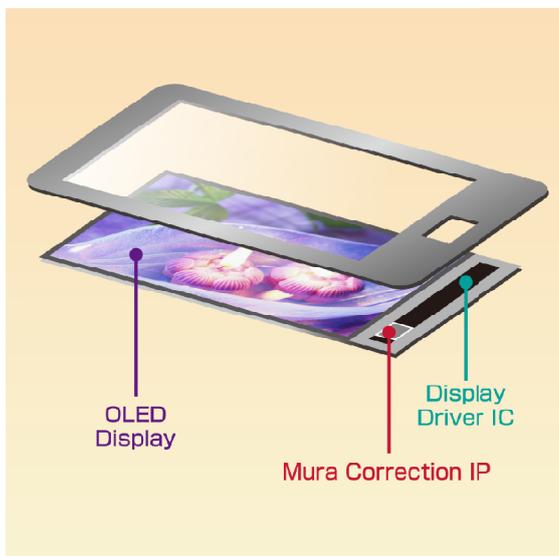
Cybernet Systems Develops Demura IC for Organic EL Displays Jointly with Semiconductor Manufacturers

Contributing to further quality improvement of organic EL displays by reducing Mura (unevenness) that affects picture quality

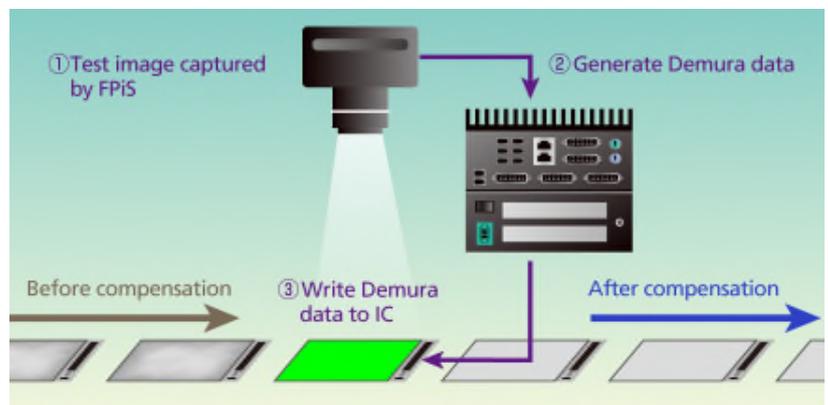
Cybernet Systems Co., Ltd. (head office: Tokyo; Kuniaki Tanaka, President & CEO; hereafter, "Cybernet") is pleased to announce that it has developed a display driver IC (*1) incorporating Demura (unevenness compensation) IP (*2), which is intended for organic EL displays, jointly with multiple major semiconductor manufacturers.

The jointly developed IC enables to embed the Demura IP, which we developed ourselves, optimally in the display driver IC. This makes display manufacturers easily to adopt the superior Demura function. In addition, the concurrent use of an FPiS™-series automatic Demura system, which is provided by Cybernet, will enable stable production with improved quality and yield rate. It is expected to accelerate the launch of products onto the market.

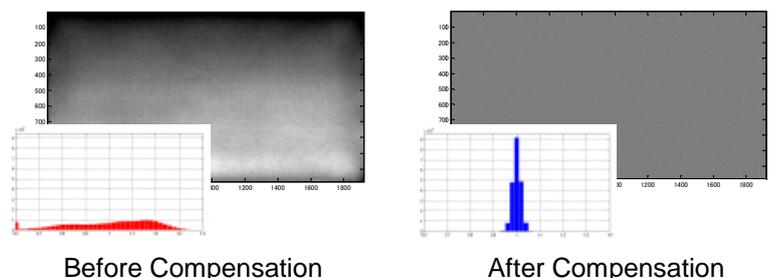
The display driver IC incorporating the Demura function, which we have now developing, is planned to be released by multiple major semiconductor manufacturers around June 2017. It will be marketed as a general-purpose IC or an IC for specific customers, and is also planned to be embedded in the same product line. The final product specifications, sales destinations, and release date will be announced as soon as details are determined.



Example of Display Structure



Schematic of FPiS automated Demura System



What is the FPiS™-series optical inspection system?

The FPiS series is a series of high-precision, high-speed inspection and adjustment systems that are intended for high-resolution displays such as LCD and organic EL displays. These products are provided in processes from the research and development to the factory production of flat panel displays.

The introduction of the products will enable a shorter product development period, improved production efficiency and higher product quality and yield rate. For organic EL displays, these products not only provide the Demura solution, which is aimed at improving the display quality, but they also enable diverse solutions meeting customer needs, from the cell production process to shipping inspection.

Details of the FPiS series are available on the following website:
<http://www.cybernet.co.jp/fpis/>

Comments from Managing Executive Officer Hiroki Yoshinaga of Cybernet Systems Co., Ltd.

We have developed the optical inspection and adjustment system and Demura IP for flat panel displays (FPD) by applying our optical technologies and our expertise in image-processing technologies, which we have cultivated through businesses in which we at Cybernet have been involved to date. I am pleased that we are able to make a contribution to a large number of customers, including display manufacturers, by offering the system and IP in the market.

I hope that the joint development will enable manufacturers of organic EL displays all over the world to purchase general-purpose ICs incorporating the Demura IP, which will lead to the further improvement of quality and the expansion of the market of organic EL displays.

Notes

*1: A display driver IC is an integrated circuit whose main function is to control the display functions of displays.

*2: The Demura IP is an integrated circuit that performs corrections to reduce display un-uniformity (mura) by setting correction values that are appropriate for the display properties of each display.

About Cybernet

Cybernet Systems Co., Ltd. provides a wide array of leading-edge software solution services in the field of scientific computation, with a focus on services related to CAE(*). These include the provision of software, training services, technical support, and consulting services in a wide variety of industries and fields including electric equipment, transportation equipment, machinery, precision equipment, healthcare, and educational/research institutions. Specifically, the company handles diverse world-class software products including those for structural analysis, injection molding analysis, acoustic analysis, mechanical analysis, control system analysis, communication system analysis, signal processing, optics design, illumination analysis, electronic circuit design, general-purpose visualization, and medical image processing. The company thus caters to a range of customer needs.

In addition, the company provides IT solutions that improve the security level of companies by preventing the leakage and unauthorized access to personal information, confidential information, and other information. These solutions include IT asset management tools that improve the efficiency of the management of PCs/smart devices owned by a company. They are provided as packages and on the Cybernet Cloud.

Details of Cybernet Systems Co., Ltd. are available on the following website:
<http://www.cybernet.co.jp/english/>

* CAE, which stands for Computer Aided Engineering, is a technology for simulating and analyzing tests and experiments, which were previously conducted using prototypes, with prototypes on the computer. It is utilized in the research and development phase of manufacturing. CAE significantly reduces the number of prototypes and experiments and enables the prediction and resolution of diverse problems in many areas. It thus contributes to achieving environmentally friendly manufacturing by significantly reducing waste materials that would be generated from experiments using prototypes.

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