

July 30, 2013  
Shikino High-Tech Co., Ltd.

### Shikino Commences the Imaging Solution Service and Launches New Platform for Imaging Systems iSPF Series

UOZU (July 30, 2013) —Shikino High-Tech Co., Ltd. (“Shikino”) today announced that it has started the service for imaging solutions and, following this service, has launched a platform ideal for stereo camera systems and so on,, “iSPF-100”. Shikino has enhanced the business for the field of image processing in the system-related business. The new platform, “iSPF-100” is scheduled to be sold on August 1, 2013.

The iSPF series, Shikino’s new platform for imaging systems, enables customers to construct imaging systems such as stereo cameras easily in conjunction with the conventional camera module products Shikino has developed and sold.

As for the service for imaging solutions commenced at the same time, Shikino’s skilled engineers quickly create embedded imaging systems for the requirements from customers by incorporating functional-unit modules of the iSPF series diversely. For the various demands as configuring customers’ systems on the video platform, Shikino strongly supports customers in both hardware and algorithms.

Also, Shikino handles the developments of prototypes and manufactures for mass production in the Uozu factory, Toyama, Japan.

The one-stop service system covering from developments to manufactures provides customers’ imaging systems with low-cost solutions in a short time.

Shikino, as applied business areas of iSPF-100, focuses on the fields of factory automation (i.e., robots, inspection devices and so on) and social infrastructure. Also, it expects market demands of iSPF-100 for stereo cameras and network camera systems greatly requested by customers, and aims to achieve two (2) billion JPY as sales of the whole video-related business including this solution after three (3) years.



External appearance of iSPF-100



Business-card size

## 1. Advantages

- Low cost and short TAT (Turnaround time)
- Enable users to try the several system constructions easily
- Reduce various risks in the new developments
- Examples: Developments of customized modules and cameras, creations of algorithm and software for image processing, IP licenses of Shikino's JPEGs and so forth, and developments of prototypes and manufactures for mass production

## 2. Features

- Most suitable for the evaluation and construction of embedded camera systems
- Available for stereo camera inputs
- Various algorithms embeddable
- Compact, light-weighted in the business-card size, and power efficient
- Constructible with CPU boards and expansion boards
- Lineups of various expansion boards will be launched

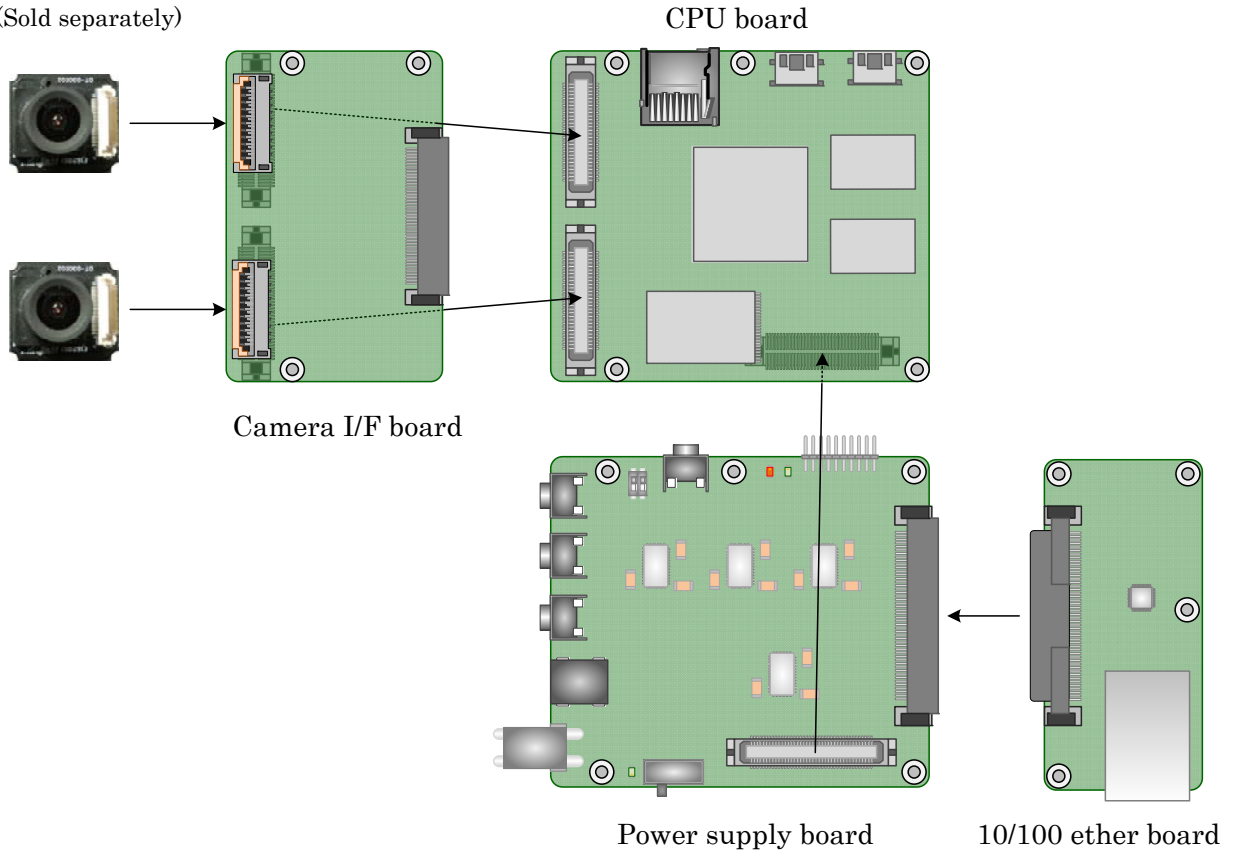
## 3. Details

### (1) Specifications

Processor	i.MX535 by Freescale
CPU core	Cortex-A8 by ARM
Flame core clock	1GHz
RAM	256MB x 4 (DDR3-1333 SDRAM)
Flash memory	2Gbit NAND Flash/8Mbit SPI NOR Flash
Camera I/F	Two of our VGA cameras (sold separately) connectable at the same time
Network	10/100 Ethernet
External I/F	USB 2.0/ Micro SDHC Slot
Power supply voltage	DC5V
OS	Linux 2.6.35
Platform dimension	90(W) x 55(D) x 29(H) mm
Software	Development kit included

(2) Structure chart

KBCR-M04VG (Sold separately)



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