



News Release

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THine Announces Industry's Fastest ISP with 13 Mega Pixels for Mobile Cameras

TOKYO (January 26, 2010) -- THine Electronics, Inc. (JASDAQ: 6769, "THine"), the global leader in high-speed serial interface and provider of mixed-signal LSI, today announces industry's fastest* image signal processor (ISP) product THP9112 with 13 mega pixels, as well as THP9108 with 8 mega pixels, for mobile cameras, PDA cameras, and digital still cameras (DSC).

The new ISP products achieve as high resolution and quality as compact DSC by the world fastest throughput by processing performance of resolution and frame rates. THP9112 and THP9108 bring mobile cameras to differentiate in quick boot time of DSC function. In addition, these new products, enabling high-speed processing by internal LSI hardware, achieve faster image stabilization and motion detection than usual products by outside software algorithm. These offer optimal ISP solution for high-resolution mobile cameras, PDA cameras, and DSC.

◆Features of THP9112 and THP9108

Advanced image processing

- support up to 13 M pixels (THP9112) and 8 M pixels (THP9108)
- advanced noise reduction
- digital zooming
- wide dynamic range correction
- memory color enhancement and chroma correction (including skin color correction)
- high performance lens shading correction

Camera shake detection and correction

- support full HD movie
- high-speed anti-shaking is also available for movie
- high-speed motion detection processed by hardware
- continuous shooting
- preservation of past shooting

Interface to image sensot

- MIPI CSI-2 serial / parallel

Interface to backend processor

- parallel

Embedded Memory

- internal frame memory: 128 M bit
- internal working memory: 32 KB

Package

- BGA (MCP) 8mm×8mm x 1.2mmBGA
- ball size / pitch: 0.3mm/0.5mm

THP9112 and THP9108 have been developed by THine's ISP team acquired from Winbond Electronics, Inc. in January 2009. The ISP team has been merged to THine's headquarters in July 2009 and has already been developing advanced ISP technology with higher resolution than 13 mega pixels. These ISP products of 8 mega pixels, 5 mega, and 3 mega have been shipped by almost 5 million pieces to Japanese customers. THine plans to expand ISP business to global customers, especially in China and Taiwan, supporting market needs of mobile phone handsets customers.

* based on THine's research in ISP products for cell phone markets in volume production as of today

About THine Electronics

THine Electronics Incorporated is a fabless maker that provides innovative mixed signal LSI and analog technologies such as V-by-One[®]HS, LVDS, other high speed data signaling, timing controller, Analog-to-Digital Converter (ADC), Image Signal Processor (ISP), RF and power management in growing niche markets for our customers' solutions, targeting its strategic markets in flat TVs, LCD monitors, projectors, projection televisions, mobile phones, and automotive markets.

THine is headquartered in Tokyo, Japan, and has design centers in Kyoto and Kyushu, Japan, as well as subsidiaries in Tokyo and Taipei, Taiwan. THine Electronics is listed on the JASDAQ under the security code of 6769. For more information, please visit www.thine.co.jp.

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