



# Provide Brighter Eyes for Cities

## Intel® Architecture -based BOCOM\* HD Intelligent Solutions Help Build a Peaceful Society



“Intel® Architecture Processors, with advanced multi-core CPU technology and integrated new multimedia instruction sets, redefines the BOCOM\* video surveillance platform performance in High Definition and Video Analytics environment. BOCOM’s new Intelligent Hi-Definition platforms are an excellent example of the application of Intel’s technology to deliver industry leading solutions.”

Ton Steenman  
Vice President, Intel Architecture Group  
General Manager, Low-power Embedded  
Products Division  
INTEL CORPORATION

Along with the fast development of the society and economy, people’s demands for security and harmony in daily life are increasing. It becomes one important trend how to make use of rapidly evolving information technology to help the security industry transfer from taking belated actions to taking preventative measures. As an important segment of the security industry, the video security and surveillance market is moving from analog/digital monitoring to the era of HD intelligent monitoring. It is predicated that over 60% front-end IP encoders and equipment will support intelligent features by 2013. The security industry needs new intelligent HD video surveillance solutions for this trend.

As an integrated video surveillance solution provider, BOCOM\* has been committed to providing a variety of self-developed products and solutions to customers. BOCOM\* has launched new intelligent HD solutions combined with Intel’s low power and high performance Intel® Core™2 Duo processor to meet the demands for intelligent HD video surveillance technologies in the security industry. Promotions among large customers in government, public security, defense, airport, highway, urban transportation, rail transportation and other professional fields proves that new BOCOM\* intelligent HD solutions with excellent reliability, advance, scalability, security, continuity and openness can totally meet new demands of security industry.

### CHALLENGE

Development of supplicated intelligent HD video surveillance solutions require a flexible and efficient platform with:

- Excellent compatibility;
- Powerful computing capability; and
- Excellent security and stability.

### SOLUTION

By adopting low power Intel® Core™ 2 Duo processor, BOCOM\* has launched new intelligent HD solutions, which have been applied in many fields.

- With powerful CPU processing capability with over 2GHz main frequency, low power Intel® Core™ 2 Duo processor provides the new solution with powerful performance.
- Common Intel® architecture is compliant with the PC platform, making software of the new solution more compatible and easier to modify and upgrade;
- Advanced Digital Multimedia technologies, such as Intel® Streaming SIMD Extensions 4.1 (Intel® SSE4.1) instruction set, provide the new solution with greater parallel HD processing capability.

### RESULTS

By adopting low power Intel® Core™ 2 Duo processor, BOCOM\* has launched new intelligent HD solutions with excellent reliability, advance, scalability, security, continuity and openness.

- Thanks to the combination of low power Intel® Core™ 2 Duo processor and the unique BOCOM\* identification technologies, the image capture rate of the new solution is over 99% and the image identification accuracy is up to 95%.
- The powerful processing capability of low power Intel® Core™ 2 Duo processor provides new BOCOM\* solutions with high-volume throughput and large load capacity, enabling them to process and integrate mass data, and display, call, control and manage various video information on a unified platform.
- With the low power Intel® Core™ 2 Duo processor, new BOCOM\* solutions can realize intelligent HD features on one single platform, thus significantly simplifying the system and improving the stability of the whole system.

