How smart is your surveillance system?

IQ Implant

IQ-Implant™ provides hardware manufacturers with the opportunity to OEM iOmniscient's patented Non Motion Detection and advanced video motion analytics algorithms, providing the necessary advantage to compete in today's industry.

IQ-Implant™ incorporates iOmniscient's advanced artificial intelligence algorithms on a Texas Instruments TMS320DM64x Video/Imaging Digital Signal Processor (DSP). All algorithms are extremely efficient enabling multiple cameras to operate on a single DSP and optimized with spare capacity for next generation upgrades.

IQ-Implant™ comes equipped with iOmniscient's advanced features including Nuisance Alarm Minimization Systems to help cope with complex scenes. Our unique multi-language capability increases you global sales opportunities.

IQ-Implant™ is open, scalable, operates with analog and IP cameras and can be embedded into various hardware components. IQ-Implant™ is easy to customize, implement and use.

Benefits

- Enhances your reputation by co-branding with an industry leader
- Creates new sales opportunities with existing customers
- Enables the creation of customized vertical-market products
- Reduced interface and support costs through single vendor porting
- Minimize capital expenditure running multiple detection algorithms simultaneously

See Through the Crowd

iOmniscient
high iQ surveillance

www.iomniscient.com info@iomniscient.com

iQ Implant 2

Implanting Intelligence into Your Device

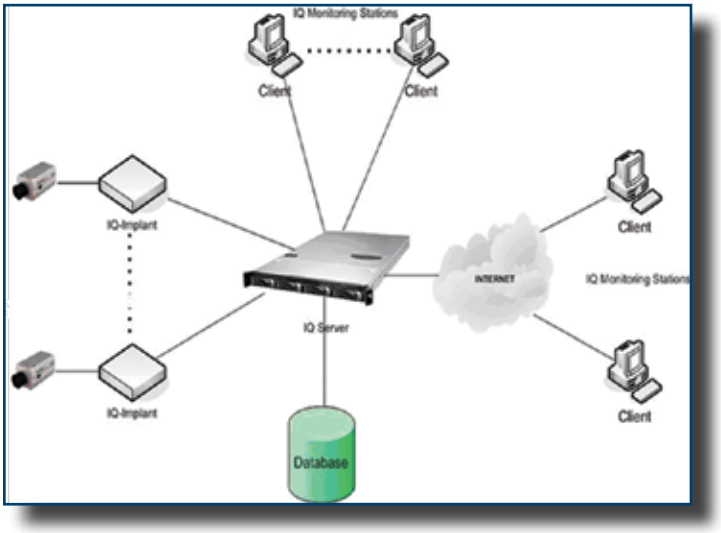
Simple – Comprehensive - Seamless - Light

The strengths of the IQ Implant are:

- Easy to implant with simple interface
- Comprehensive selection of IQ capabilities available (including industry specific ones)
- Customized applications can be embedded
- Requires significantly less computing power relative to competitive offerings
- hence multiple cameras can operate off a single DSP
- Seamless integration with PC based IQ systems

Overall Architecture of IQ-Implant integrated with other components:

Devices which have the IQ Implant in them can be interfaced directly to the IQ Server (which can manage the image database) and IQ Clients and appear to the user just like any other camera or encoder. The primary difference between the IQ Implant and PC based systems is that for the former the analytics reside in the embedded DSP. All configuration and operational details are virtually identical



DSP Type: TI DM642

Clock frequency:	720 MHz
Flash memory:	32 MB
External memory:	64 MB
Debug interface	JTAG
Number input channels:	Two cameras per DSP
Number of Client connections:	Unlimited

Video Input	
Image type:	NTSC, PAL
Image format:	YCbCr (4:2:0)
Image size:	Low resolution requirement - CIF
Other Input/ Outputs	Low frame rate requirement - 2 to 5 fps
Frame Rate:	
Networking:	TCP/IP
Alarm info:	Comprehensive metadata available
Output Image type:	JPEG and MPEG4
Configuration	Easy Configuration
Configuration settings:	Comprehensive selection - see IQ Rating Chart

Note: Frame rate and resolutions are adjustable

See Through the Crowd

iOmniscient high iQ surveillance

www.iomniscient.com info@iomniscient.com