

# X-SIGHT (STAND-ALONE VISION SYSTEM)

## Product Description



- X-Sight is a stand-alone type subminiature vision system that integrates a PC (Intel Mobile Celeron 2-GHz) with a PCI frame grabber.
- As X-Sight uses the window programming environment of PC, it is easy to develop application programs.
- Up to four cameras can be connected to each channel, and a total of up to eight cameras can be connected.
- Analog cameras of resolution between 640x480~1600x1200 can be connected, and it is possible to set the trigger input separately for each of 4-channel cameras.
- There is an in-built hard disk for convenient data storage, and interfaces for the communication with external devices such as a serial port, a LAN port, USB ports, and Opto-isolated parallel input/output ports.
- An excellent high-speed vision system can be implemented only with X-Sight itself.

## X-Sight Specifications

### Main

CPU	Intel Mobile Celeron 2,0 Ghz
Memory	DDR2 (256MB or 512MB)
HDD	40GB
Video	1600x1200

### Camera

Image Resolution	640 x 480, 800x600, 1024x768, 1600x1200 etc
Field/Binning	Field Grab (Interlace), Binning and High rate scan Grab (Progressive)
SCAN	Interlace(RS-170, CCIR) / Progressive Scan
Grab	4-Ch Simultaneous or Separate Grab 1-Ch RGB Color & 1-Ch B/W Camera Grab Support 2-Ch B/W High-resolution Camera (1600x1200 Analog) support
Trigger Mode	4-Ch Simultaneous or Separated Trigger
Frame Rate	30 ~240 FPS (at using Binning mode/High rate scan mode)
Frame Buffer	4MB

### PIO / Communication

IN / OUT	IN 8-port / OUTPUT 12-Port
Interrupt	IN0 ~ IN7
Input Voltage	12~40VDC
Output Voltage	12~ 40 VDC
Input Resistor	3,3K
Sink Current	100mA /Channel
USB	2 Port
LAN	10/100Mbps Ethernet
Serial	RS-232C 1 Port

### Miscellaneous

OS	Microsoft Windows 2000/ Windows XP
Size (W x D x H)	187mm x 116mm x 77.5mm
Operating temperature	0~50°C
Power	DC19V 3,5A

## Key Features

- Intel Mobile Celeron 2 GHz CPU and above
- Small, economic, high-performance system
- 4-Channel analog cameras simultaneous /separate input
- Square pixel digitization
- Up to 8 mono cameras
- Standard camera Interface : RS-170 / CCIR
- Progressive scan camera Interface
- 3-CCD RGB color camera Interface
- Field / Frame grab
- Binning / high rate scan mode
- 4MB on-board frame buffer
- Camera resolution : 640x480 ~ 1600x1200 support