MX80 VISION PROCESSOR

The next-generation MX80 Vision Processor extends the power and performance of MX-Series to faster applications, advanced algorithms and higher-resolutions. The MX80, with its Intel® Core™ i7 quad-core microprocessor , 4GB memory and four independent Gigabit PoE (Power over Ethernet) ports provides more image processing speed and power for up to four unique MX-Series camera inspections running parallel.

- High performance Embedded System
- Intel® Core™ i7 quad-core processor
- Up to four cameras connected
- Windows XP® operating system

HIGHLIGHTS

Multi-camera capability – Reduces integration costs on a per camera basis and allows data collection and analysis from multiple inspection points

- Supports over 100 different GigE Vision cameras including line scan, high resolution and ingress protection rated cameras) – Provides access to the largest selection of cameras

- Allows use of different cameras formats and resolutions on one processor – Offers easy setup resulting in reduced integration costs

- Complete Impact software suite included for ultimate programming flexibility – Addresses any inspection and user interface needs • 4 Channel Power over Ethernet (PoE) camera ports – Integrates easily. PoE compliant cameras need no power cables and support up to 100 meter cable lengths

SPECIFICATIONS

CPU	Intel® Core i7-2710QE 4-core 2.10 GHz
SYSTEM MEMORY	4 GB DDR3 RAM 8 GB DDR3 RAM (Win 7)
STORAGE 40 GB SSD 40 GB SSD	40 GB SSD 80 GB SSD (Win 7)
GRAPHICS	Intel® QM67 Express chipset (2048 x 1536 resolution), DVI
CAMERA INTERFACE	4x 1000 Mbps Base-T, PoE camera ports (up to 7W per channel)
CAMERA IMAGER LIMIT	None
NETWORK INTERFACE	2x 10/100/1000 Mbps Base-T LAN ports
SERIAL COMMUNICATIONS	5x RS-232 serial ports
USB	4x USB 2.0 ports 2x USB 3.0 ports
KEYBOARD/MOUSE	Combined PS/2 type mini-DIN connectors
COMM CONNECTIVITY	Supports Ethernet/IP, Modbus TCP and OPC
I/O	16x isolated digital inputs 16x isolated digital outputs 2x event inputs (shared with the Polled Inputs)
OPERATING SYSTEM	Windows XP Pro (32-Bit OS, SP3) Windows 7 Pro Embedded
POWER REQUIREMENTS	24 VDC (+/- 10%, 4.5 amp min)
DIMENSIONS	230 mm x 82 mm x 206 mm (9.06 in. x 3.23 in. x 8.11 in)
OPERATING TEMPERATURE	0 to 55° C (+32 to +131° F)
HUMIDITY	0 to 90% (non-condensing)
CERTIFICATIONS (SAFETY COMPLIANCE)	CE/FCC, RoHS, UL in process