MX20 VISION PROCESSOR

The MX20 Series is an entry-level, affordable processor. This rugged, compact model features an Intel® T3100 dual core 1.90 GHz processor and two independent PoE (Power over Ethernet) camera ports. The MX20 is easy to deploy, supporting up to two 2.0 Megapixel area scan cameras for a wide range of flexible, robust inspection tasks. The MX20 offers a cost-effective mean to migrate from smart-camera applications to an embedded vision system.

• Cost effective Embedded System
• Intel® T3100 dual-core 1.90 GHz processor
• Up to two 2 Mpix 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
• 2 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® T3100 dual-core 1.90 GHz
SYSTEM MEMORY	4 GB DDR3 RAM
STORAGE 40 GB SSD 40 GB SSD	40 GB SSD (Win XP) 80 GB (Win 7)
GRAPHICS	Intel® GM45/ICH9 video chipset (1600 x 1200 resolution), VGA
CAMERA INTERFACE	2x 1000 Mbps Base-T, PoE camera ports (up to 7 W per channel)
CAMERA IMAGER LIMIT	2Mpixel or lower No LineScan support None
NETWORK INTERFACE	2x 10/100/1000 Mbps Base-T, LAN ports
SERIAL COMMUNICATIONS	2x RS-232 serial ports
USB	3x USB 2.0 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%, 3.5 amp min)
DIMENSIONS	200 mm x 85 mm x 165 mm (7.8 in. x 3.3 in. x 6.5 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

BENEFITS

- Easily integrates with the PPT Vision A-, T- and C-Series smart cameras for data sharing and inter-camera communication without needing a PC
- Lower installation cost
- Combines up to four unique camera capabilities for application-specific requirements

- Simplifies cabling by eliminating the necessity for camera power cables
- Shared processing reduces cost per inspection point
- Increased inspection power delivers higher inspection rates