



### MX40 VISION PROCESSOR

The MX40 Series is a ruggedized and compact embedded vision processor that features Intel® multi-core processors and four independent PoE (Power over Ethernet) camera ports. The MX40's long-life embedded components provide a very robust and reliable vision system for critical inspection applications. The MX40 eliminates the need to purchase and install multiple cameras thus saving additional costs and reducing setup and networking time.

- Mid performance Embedded System
- Intel® P8400 dual-core 2.26 GHz 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® P8400 dual-core 2.26 GHz                                                                              |
| SYSTEM MEMORY                         | 4 GB DDR3 RAM                                                                                                |
| STORAGE 40 GB SSD 40 GB SSD           | 40 GB SSD<br>80 GB SSD (Win 7)                                                                               |
| GRAPHICS                              | Intel® GM45/ICH9 video chipset<br>(1600 x 1200 resolution), VGA                                              |
| CAMERA INTERFACE                      | 4x 1000 Mbps Base-T, PoE camera ports (up to 7 W per channel)                                                |
| CAMERA IMAGER LIMIT                   | 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<br>2x event inputs (shared with the Polled Inputs) |
| OPERATING SYSTEM                      | Windows XP Pro (32-Bit OS, SP3)                                                                              |
| 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<br>(SAFETY COMPLIANCE) | CE/FCC, RoHS, UL                                                                                             |

## 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

### Datalogic Automation Headquarters

Via Lavino, 265  
40050 Monte San Pietro  
Bologna - Italy  
Tel. +39 051/6765611  
Fax +39 051/6759324  
info.automation.it@datalogic.com

### Datalogic Automation Inc

**Machine Vision**  
6301 West Old Shakopee Road  
Minneapolis, MN 55438 - United States  
Tel. +1-952-996-9500  
Fax +1-952-996-9501  
info.vision.ia@datalogic.com



The company endeavours to continuously improve and renew its products; for this reason the technical data and contents of this catalogue may undergo variations without prior notice. For correct installation and use, the company can guarantee only the data indicated in the instruction manual supplied with the products.