



Complete Vision Solutions

Smart Reader MO Intelligent Sensor



FEATURES

- Stand alone complete code & character reader
- Fully IP addressable
- Low power consumption
- Progressive scan CMOS sensor technology
- VGA resolution - 640x480 pixels
- High speed camera up to 60 fps (200 fps partial scan mode)
- Integrated led illuminator and optic
- Superior price performance

Typical Applications

OCR



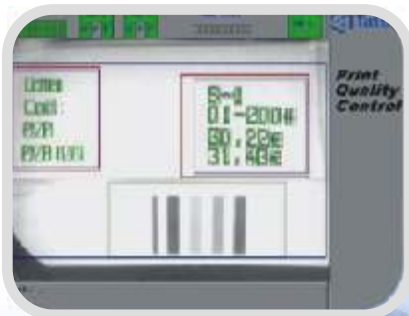
OCV



Aluminum OCV



OCV - Barcode



2D Code Data Matrix



2D Code RSS Type



INTELLIGENT CODE & CHARACTER READER



| SOFTWARE FEATURES | |
|--------------------------------|---|
| OPERATING SYSTEM | |
| Proprietary Tattile O.S. - TOS | Multitasking Operating System for custom application |
| PROGRAMMING LANGUAGES | |
| Antares Explorer | Intuitive graphical development environment with optimized vision library |
| Ansi C | Standard C environment TIL (Tattile Image Library) supported |
| COMMUNICATION | |
| Firmware Update | Ethernet or serial capabilities |
| Data Exchange | UDP/IP, RS232 or RS485 (optional) |



Integrated Optic and LED illuminator



Multitasking
O.S. On Board

| TECHNICAL FEATURES | |
|----------------------|---|
| SYSTEM | |
| Microprocessor | Analog Devices® Blackfin® Technology |
| Analysis | Up to 200 Fps |
| Synchronization | External trigger without delay |
| Software | Antares Engine, PQC – Print Quality Control or custom C program |
| CAMERA | |
| Sensor | BW or Color CMOS 1/2" |
| Acquisition | Progressive scan |
| Resolution | VGA (640x480 pixels) |
| Frame rate | 200 Fps |
| Lighter | Integrated circular led lighter (strobed or continuous) |
| Lens | 11 mm (F 2.5) - Integrated lens |
| DIGITAL I/Os | |
| Input | 1 trigger PNP optoisolated input 24Vdc |
| Input | 2 PNP optoisolated inputs 24 Vdc |
| Output | 1 current output for external lighter management |
| Output | 3 PNP optoisolated outputs 24 Vdc |
| COMMUNICATION | |
| Ethernet 10/100 Mbps | UDP, TCP-IP |
| RS 232 | 1 line half duplex, baud rate 1200:115.200 |
| ENVIRONMENTAL | |
| Operating Temp. | -10° to 50° C |
| Operating Humid. | 10 to 90% non cond. |
| Storage Temp. | -20° to 65° C |
| Storage Humidity | 10 to 90% non cond. |
| Power Supply | 24 Vdc ±10% 3W |
| Package Body | Anodized Aluminum |
| Size / Weight | 107 x 58 x 37 mm (L x H x W) - 230 g |
| IP Protection | IP 42 |



Programming
Language



Standard Connectors