For simple embedded bar code scanning, the MS-3 Engine offers small size and reliable performance with minimal budget impact.

One of the smallest and lightest scan engines in its class, the MS-3 Engine is ideal for embedded bar code applications where space is restricted or weight is a consideration. Designed for industry standard form factor, it offers embedded power management, bi-directional serial link for dynamic configuration, and upgradeable flash memory.

The MS-3 Engine is part of Microscan’s MS-3 trio that also includes the MS-3 CCD and the MS-3 Laser. The MS-3 Engine is the base model offering fewer features than the CCD and Laser options but at considerable budget savings.

**GENERAL**
Compact CCD scan engine for OEM devices.

**DESIGN**
Processor: Custom chip (ASIC inc. DSP processor) for signal processing and decoding.
Flash memory Sensor: CCD linear image sensor
Optics: 645 nm visible LED

**SCANNING PERFORMANCE**
Scan rate: Decoded mode: 270 scans/sec auto-adaptive.
Undecoded mode: 36 scan/sec

**SYMBOLOGIES**

**INTERFACES**
**Decoded mode:** industry standard output (DBP)
**Undecoded mode:** RS232 TTL

**ACCESSORIES**
Demo board kit compatible with standard RS–232 cable.

**REGULATORY APPROVALS**
UL recognized component, VDE certified

**ENVIRONMENTAL CHARACTERISTICS**
Operating temperature: -30 to 60°C (22 to 140°F)
Storage temperature: -40 to 60°C (-40 to 140°F)
Relative humidity: 5% to 95% (non-condensing)
Ambient light: works in any lighting conditions, from 0 to 100 000 lux

**CHARACTERISTICS**
Voltage: 5V +/- 5%
Current:
- Undecoded mode: 122 mA typical
- Decoded mode: 130 mA typical
- Standby current: 1uA

**WARRANTY**
One year limited warranty on parts and labor. Extended warranty available.

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