

## Product Profile

- High performance omni-directional free-standing bar code scanner
- Full 20 line scan pattern
- 20cm adjustable depth of field and 20cm<sup>2</sup> scan area
- Built-in reliability with replaceable window and 2-step sleep mode
- Adjustable head (+/-15°) for increased comfort
- Universal interface system
- Low power consumption, runs from keyboard/ terminal sources
- Fast setup using EasySet® software
- Applications include retail POS, automated healthcare, libraries, etc.



### MaxiScan™ 2220 SCANNER

#### Hands-Free Operation

The MaxiScan™ 2220 is a high performance and cost-efficient solution for omni-directional pass through scanning. Its design and performance enables fast hands-free scanning on a counter or desk.

#### Omni-Directional Scanner, Compact Design

Despite its compact dimensions (9.5 x 14.2 x 9.0cm/3.7 x 5.6 x 3.5"), the M2220 benefits from a full 20 line scan pattern, 20cm depth of field and 20cm<sup>2</sup> scan zone for easy and ergonomic scanning.

The head rotates through +/- 15° to adjust the scan area to the application. The rubber base allows secure standing.

To further 'tune' the scanner, the depth of field can be adjusted to fit the working area and avoid accidental reads.

#### Superior Performance

The M2220 has unique built-in reliability. The scanner window is replaceable in the field to avoid having to return scanners simply because of scratched windows. A two-step sleep mode provides a separate laser and motor timeout for power/ life saving and instant wake-up.

#### Flexible System Integration

A universal interface system allows connection to many hundreds of PC's, cash registers or other terminals simply by changing the cable and software setup.

In common with most Intermec scanners, the M2220 is supplied with EasySet® set up software for the fastest on-line or off-line configuration.

### General

The MaxiScan 2220 is a high performance omni-directional bar code scanner for free-standing applications

### Physical Characteristics

**Height:** 14.2cm (5.6")  
**Width:** 9.5cm (3.7")  
**Depth:** 9.0cm (3.5")

### Scanning Performance

**Scan Pattern:** 20 lines  
**Scan Rate:** 1200 scans/s  
**Minimum X dimension:** 0.125mm (5 mil)  
**Depth of field:** 0 to 20 cm (8") EAN/UPC  
**Scan area at max depth of field:** 20cm<sup>2</sup>  
**PCR:** 25% minimum

### Symbologies

UPC E,A, EAN, Code 39, Code 128, UCC EAN 128; Interleaved, Matrix, Industrial and Standard 2 of 5; Codabar, Code 93, MSI, Plessey. Others including ISBT on application

### Operator Interface

Power and good read LED.  
 Good read beeper

### Design

**Processor:** Custom chip (ASIC inc. DSP processor) for fast signal processing and decoding. Flash memory

**Light Source:** visible laser diode @ 650nm, 0.45mW max output

Laser Class 1 IEC 825 / CDRH Class IIa

### Environmental Characteristics

**Operating temperature:**

0° to 40° C (32° to 104° F)

**Storage temperature:**

-25° to 60° C (-13° to 140° F)

**Relative humidity:** 10% to 90% non-condensing

**Drop resistance:** multiple drops 1m

(3.2') onto concrete

### Electrical Characteristics

**Power requirements:** +5VDC +5%, current consumption approx. 200mA (normally powered from host terminal)

### Advanced Features

Code reconstruction, 2 step sleep mode (laser and motor) for fast wake-up and high reliability, replaceable scan window, firmware updates via flash memory, programmable data format (code identification, preambles and postambles), intercharacter and intermessage delays and many others

### Interfaces

**All scanner heads support (by choice of cable):** Wand emulation, single or dual RS 232 C, Wyse, HP700/xx and PC AT/PS2 wedge to over 400 terminals and PCs. Extensive interface information on application

### Accessories

Interface cables, spare window (one spare included as standard), external power supplies (option)

### Configuration

Setup options include EasySet® PC software, by direct connection & bar code printing (custom setup utility), or by conventional bar code setup manual

### Regulatory Approvals

**All models:**

**Compliant with all European Directives:** CE (EN50081-1/ EN50082-1/ EN60950).

TÜV-Rheinland Safety certified.

**USA: FCC Part 15 Certified:** Class B digital device. UL listed.

**Canada: ICES-003, NMB003:** Class B digital apparatus. cUL listed.

**Australia – New Zealand:** AS/NZS 3548 C tick marked

Other approvals pending.

DHHS Standard 21CFR 1040.10 and

1040.11 Class IIa Laser Product

IEC 825-1, EN60825-1, Class 1 Laser Product

### LASER CAUTION LABEL:

Class IIa Laser Product –  
 Avoid Long Term Viewing of  
 Direct Laser Radiation

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