

UNIPRO UP-1000 LASER



We build our own rugged laser scan engine



- ▶ **High resolution at 3mil**
- ▶ **100% copyright on all firmware/software**
- ▶ **Embedded 32-bit ARM MCU**
- ▶ **Scratch-resistant and tamper-proof lens**
- ▶ **30+ times of 1.5m(5ft)-high-drop to concrete**

- 3-in-1 cabling system
- 100 hours dynamic aging test before shipment
- Over 30-million times for button-press
- Ready for all POS systems
- Easy firmware upgrade
- Flexible software customization
- Infrared auto-induction (optional)
- Decode all major barcode symbologies
- Mirror surface reflection cancellation
- Ergonomic, snappy and stylish design



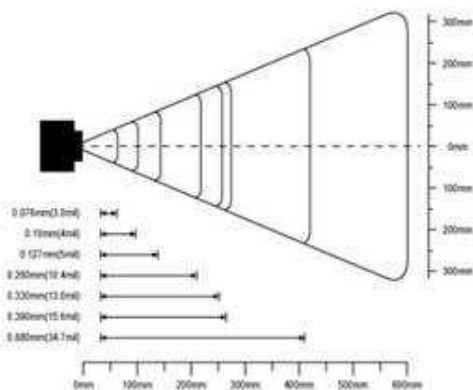
High-density Industrial Laser Barcode Scanner ▶



Technical Specifications

Operating mode	Hand-held	Hand-held/Auto-detection
Min. element width	0.076mm (3mil)	
CPU	32bit ARM	
Input voltage	5 VDC ± 0.25V	
Power	425 mW (Operating); 500 mW (Max.)	
Current	85 mA (Operating); 100 mA (Max.)	
Laser	650nm laser diode	
Laser classification	Class 2	
Depth of decode field	3-6cm (0.076mm element width); 3-25cm(0.3mm element width)	
Width of decode field	5cm@6cm; 22cm@20cm; 32cm@30cm	
Decoding rate	100 times/sec	
Scanning angle	±60°, ±65°, ±42° (Skew, Pitch, Roll)	
Decode capability	UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39, Code 39 full ASCII, Interleaved 2 of 5, Industry 2 of 5, Matrix 2 of 5, Codabar, Code 128, Code 93, Code 11(USD-8), MSI/Plessey, UK/Plessey, UCC/EAN 128, China Post	
Indicator	Beeper, LED	
Interface supported	Keyboard wedge, RS-232, USB (3-in-1 auto detection)	
Dimensions:	Height × Width × Depth : 9.5cm × 6.7cm × 15.4cm	
Weight	142g, without cable	
Cable	Straight 2.0m	
Connector type	RJ-45 phone jack connector	
Case material	ABS+PC	
Temperature	0°C to 45°C (Operating & Storage)	
Humidity	5% to 85% (non-condensing)	
Durability	30+ times of 1.5m(5ft)-high-drop to concrete	
Programming method	Manual (reading special barcode)	
Program upgrade	PC online (by RS232 interface)	

Note: Specifications are subject to change without notice.



Decode zone of MD 2230 series



Firmware upgrade interface

