MK-7120 Orbit, black, RS232

Orbit is an aggressive, omnidirectional presentation laser bar code scanner. Lightweight and rugged, Orbit is small in size but big in performance. Designed for applications where counter space is at a premium, Orbit is the ideal presentation scanner for retail, convenience, liquor and specialty stores. In addition, Orbit's unique, contoured shape allows it to be picked up and used as a hand-held when scanning large or bulky items.

Engineered with a large, easy-to-find sweet spot, the Orbit increases the first pass read rate for maximum productivity. The scanning head can be tilted vertically up to 30° for added flexibility when scanning various objects. Orbit has a patented 20-line omnidirectional scan pattern that produces 1,200 scan lines per second. These features increase the scanning through-put, without increasing the Orbit's size. The Orbit is engineered for easy configuration and utilizes user-replaceable cables, in order to meet the multiple application needs across the many markets it serves. Data editing or "parsing" is also a standard feature. Parsing enables the encoded information to be manipulated to meet the host system's requirements.

Technical Description

Functionality & Operation

1D Barcode Symbologies	Codabar, Code 128, Code 39, Code 93, EAN 13/UPCA, French Pharma Code, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI
Communication interface	USB, RS232, keyboard, IBM 46xx (RS485), OCIA, Laser Emulation, Light Pen Wand Emulation
Configuration	by programming barcodes
Language support	French, German, Italian, Norwegian, Portuguese, Swedish, US and UK English, Belgian

Optical

Scanning rate	1120 scan lines per second; single line: 56 scan lines per second
Scannig pattern	5 directions
Minimum symbol contrast	35%
Maximal skew angle	60°
Depth of scan field	0-215 mm (13 mil barcode)

Electrical

Power Source	5 VDC ± 0.25V
Power Consumption - Standby	850mW
Power Consumption - Operation	900mW

Mechanical

Dimensions	Width: 150mm, Height: 105mm Length: 102mm
Weight	400g

Environment

Operating temperature	0 to 40°C
Storage temperature	-40 to 60°C
Storage humidity (non-condensing)	5 to 95%
Shock resistance	drop from 1,2 m onto concrete surface

Others

Certifications	BSMI, C-Tick, CE, FCC Class A, IC, MIC