POWERSCAN® 7000 2D

Specifications

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes
2D CODES	Aztec Code; Aztec Mesas; Data Matrix; MaxiCode; QR Code
OCR CODES	OCR-A; OCR-B
POSTAL CODES	British Post; Canadian Post; China Post; Japanese Post; KIX Post; Planet Code; Postnet
STACKED CODES	Code 49; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417

ELECTRICAL

CURRENT	Operating (Typical): With Aiming: 700 mA @ 5 VDC; Without Aiming: 470 mA @ 5 VDC Standby/Idle (Typical): Low Power Mode: 55 mA @ 5 VDC; Normal: 100 mA @ 5 VDC
INPUT VOLTAGE	4 - 14 VDC

ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Withstands 50 drops from 2 m / 6.6 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	25 kV
HUMIDITY (NON-CONDENSING)	5 - 95%
PARTICULATE AND WATER SEALING	IP65
TEMPERATURE	Operating: -30 to 50 °C / -22 to 122 °F Storage/Transport: -40 to 60 °C / -40 to 140 °F

INTERFACES   Keyboard Wedge; RS-232; USB

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Yellow/Black
DIMENSIONS	19.0 x 7.5 x 11.5 cm / 7.5 x 3.0 x 4.5 in
WEIGHT	283.0 g / 10.0 oz

READING PERFORMANCE

IMAGE CAPTURE	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
IMAGER SENSOR	VGA Plus: 752 x 480 pixels
LIGHT SOURCE	Aiming: Green LED 526 nm +/- 30 nm Illumination: Red LED 626 nm +/- 30 nm
PRINT CONTRAST RATIO (MINIMUM)	37%
READING ANGLE	Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°
READING INDICATORS	Beeper (Adjustable Tone); Good Read LED
RESOLUTION (MAXIMUM)	0.130 mm / 5 mils

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. PS7000 2D High Density 5 mils: 6.6 to 8.1 cm / 2.6 to 4.2 in 6.6 mils PDF: 4.5 to 12.7 cm / 1.8 to 5.0 in 8.3 mils: 2.5 to 20.0 cm / 1.0 to 7.9 in 8.3 mils Data Matrix: 6.1 to 11.9 cm / 2.4 to 4.7 in 10 mils PDF: 3.0 to 16.7 cm / 1.2 to 6.6 in 13 mils: 2.5 to 20.0 cm / 1.0 to 7.9 in PS7000 2D Standard 6.6 mils PDF: 4.5 to 12.7 cm / 1.8 to 5.0 in 8.3 mils: 6.3 to 16.7 cm / 2.5 to 6.6 in 8.3 mils Data Matrix: 6.1 to 11.9 cm / 2.4 to 4.7 in 10 mils PDF: 3.0 to 16.7 cm / 1.2 to 6.6 in 13 mils: 2.8 to 31.0 cm / 1.1 to 12.2 in 15 mils Data Matrix: 3.3 to 23.3 cm / 1.3 to 9.2 in 35 mils Maxi Code: 2.5 to 30.5 cm / 1.0 to 12.0 in

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS

WARRANTY   5-Year Factory Warranty

Cases/Holsters
- 11-0138 Heated Holder, 36 V
- 11-0139 Heated Holder, 24 V
- 11-0140 Heated Holder, 48 V

Mounts/Stands
- 11-0110 Hands Free Stand
- 11-0111 Universal Mounting Kit for PowerScan
- 7-0404 Industrial Take Up Reel

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