

PowerScan® 7000 2D Imager

Industrial Strength Imaging Scanner



Ideal For:

- Warehousing
- Transportation & Logistics
- Package distribution
- Electronic assembly
- Heavy-duty manufacturing
- Retail

Features:

- Industry leading environmental performance in shock/drop, sealing and temperature extremes
- High performance image capture and omnidirectional, point-and-shoot label reading
- Ergonomic, overmolded enclosure with integrated cable retainer and stainless steel tether hook
- Bright aiming illumination to ensure fast, reliable scanning in diverse lighting conditions
- Flexible mounting and storage accessories available
- Durable, solid state scanning backed by an industry leading five year warranty

Mechanical

Dimensions

Height: 7.5" / 190 mm
Width: 3.0" / 75 mm
Length: 4.5" / 115 mm

Weight: 10 oz / 283 g (without cable)

Environmental

Temperature rating

Operating: -22 to 122° F / -30° to 50° C
Storage: -40° to 158° F / -40° to 60° C

Humidity: 5 to 95% NC

Shock: Withstands 50 6.5' / 2 m drops to concrete

Vibration: Meets MIL-STD-810E

Water & dust: IEC529 Rating IP65DW

Electrical

Operating voltage: 4.0 VDC to 14 VDC

Operating current (average)

Interlaced aiming: 470 mA @ 5V
Concurrent Aiming: 700 mA @ 5V

Standby current (average)

Normal mode: 100 mA @ 5.5V
Low power mode: 55 mA @ 5.5V

Optical

Light sources

Red illumination LEDs: 626nm ± 30nm
Green aiming LEDs: 526nm ± 30nm

Imager resolution: VGA Plus, 752 x 480 pixels

Pitch: ± 40°

Skew: ± 40°

Ambient light capability: 0 to 100,000 Lux

Depth of field: See depth of field table below

DEPTH OF FIELD Range Comparisons	
Standard Range Model	
LABEL DENSITY	STANDARD RANGE
6.6 mil PDF	3.5 - 5.2" / 8.9 - 13.2 cm
8.3 mil Code 39	2.5 - 6.6" / 6.3 - 16.7 cm
10 mil PDF	2.1 - 8.0" / 5.3 - 20.3 cm
13 mil UPC	1.1 - 12.2" / 2.8 - 31.0 cm
15 mil Data Matrix	1.3 - 9.2" / 3.3 - 23.3 cm
35 mil Maxi Code	1.0 - 12.0" / 2.5 - 30.5 cm
High Density Model	
LABEL DENSITY	STANDARD RANGE
5 mil Code 39	2.6 - 4.2" / 6.6 - 81 cm
6.6 mil PDF	1.8 - 5.0" / 4.5 - 12.7 cm
8.3 mil Code 39	1.0 - 7.9" / 2.5 - 20.0 cm
8.3 mil Data Matrix	2.4 - 4.7" / 6.1 - 11.9 cm
10 mil PDF	1.2 - 6.6" / 3.0 - 16.7 cm
13 mil UPC	1.0 - 7.9" / 2.5 - 20.0 cm
Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.	

Data Sheet

Host Communications

- RS-232C
- Keyboard Wedge
- USB

Decoding Capability

Linear

- Code 11
- Code 128
- UPC/EAN/JAN
- RSS
- Code 39
- Codabar
- Interleaved 2 of 5
- Many Others
- Code 93
- Code 2 of 5

2D

- PDF-417
- Maxicode
- Aztec Mesas
- Aztec
- MicroPDF
- Data Matrix
- EAN-UCC Composites
- Code 49
- QR Code
- Others

Postal Codes

- Postnet
- Canadian Post
- British Post
- China Post
- Japanese Post
- Others
- KIX
- Planet Code

OCR

- OCR-A
- OCR-B
- Others

Safety & Regulatory

Electrical: Complies to TÜV, UL; cUL

Emissions: Complies to FCC; EN 55022-B; CNS 13438;
AS/NZS 3548; VCCI

Restriction of Hazardous Substances: Complies to RoHS



Accessories

- Holster/fork lift mount
- PowerHood padded cover
- Hands-free stand
- Universal mounting kit
- Industrial take-up reel
- Heated holder
- Power supplies and cables
- Optional service offerings include 2-Day, 5-Day and Quick Replacement programs

DATALOGIC™

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