

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

Weight: 283 g / 10 oz (without cable)

Environmental

Temperature rating

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

Humidity: 5 to 95% NC

Shock: Withstands 50 2 m / 6.5' 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 @ 5 V

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 | 8.9 - 13.2 cm / 3.5 - 5.2" |
| 8.3 mil Code 39 | 6.3 - 16.7 cm / 2.5 - 6.6" |
| 10 mil PDF | 5.3 - 20.3 cm / 2.1 - 8.0" |
| 13 mil UPC | 2.8 - 31.0 cm / 1.1 - 12.2" |
| 15 mil Data Matrix | 3.3 - 23.3 cm / 1.3 - 9.2" |
| 35 mil Maxi Code | 2.5 - 30.5 cm / 1.0 - 12.0" |
| High Density Model | |
| LABEL DENSITY | STANDARD RANGE |
| 5 mil Code 39 | 6.6 - 8.1 cm / 2.6 - 4.2" |
| 6.6 mil PDF | 4.5 - 12.7 cm / 1.8 - 5.0" |
| 8.3 mil Code 39 | 2.5 - 20.0 cm / 1.0 - 7.9" |
| 8.3 mil Data Matrix | 6.1 - 11.9 cm / 2.4 - 4.7" |
| 10 mil PDF | 3.0 - 16.7 cm / 1.2 - 6.6" |
| 13 mil UPC | 2.5 - 20.0 cm / 1.0 - 7.9" |
| 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 28
- 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 may include 2-day, 5-day and Quick Replacement programs

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