

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

### 2D

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

### Postal Codes

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

### 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

# DATALOGIC™

## Datalogic Scanning, Inc.

Toll free: 1 800 695 5700

International: 1 541 683 5700

E-mail us at: [scanning@datalogic.com](mailto:scanning@datalogic.com)

[www.datalogic.com](http://www.datalogic.com)



Copyright © Datalogic Scanning, Inc. 2006-2007. All rights reserved. Protected to the fullest extent under U.S. and international laws. Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc. • Datalogic Scanning, Inc. of Eugene, Oregon, USA is ISO registered by NQA. • The Datalogic logo is a trademark of Datalogic S.p.A. • All brand and product names are trademarks of their respective owners. • Additional information concerning this product or other Datalogic products and services can be found at the Datalogic web site: [www.datalogic.com](http://www.datalogic.com). • Product specifications are subject to change without notice.