

In Multi-Function Reading, "Image" Is Everything.

- **Snappiest reading of 1D, 2D and Postal codes**
- **Capture Images**
- **Full Omnidirectional Reading of All Codes and Images**
- **Intelligent Aiming™**
- **Supports EditWare™**
- **AutoSense® mode for hands free operation**
- **No Moving Parts for Durability**
- **Fully Upgradeable — Easy To Add New Codes**
- **State-of-the Art Technology at an Affordable Price**

Putting Multi-Function Performance in the Palm of Your Hand

The Imager 8000 packs a lot of performance into an attractive, rugged handheld reader. Using advanced imaging technology, the Imager 8000 accurately decodes 2D symbols, captures images and reads postal and traditional bar codes. You get snappy reliable reading performance in commercial and industrial environments as well as the front office.

This 2D handheld reader is ideal for inventory management, material handling, manufacturing and especially package sortation and transportation. The Imager 8000 provides the user with flexibility to read large amounts of information on 2D codes, quickly decode standard codes and even capture authorization signatures with one product.

Designed for the "Real World"

PSC designed the Imager 8000 to hold up in the toughest environments. And because it's an imager, not a scanner, there are no internal moving parts. The

unit utilizes a state-of-the-art CMOS sensor with sophisticated optics and electronics to provide reliable and accurate performance under a wide variety of lighting conditions.

The Imager 8000 may be high tech in its design and manufacture, but it's very easy and intuitive to use. Operating this innovative product is as simple as aiming the dual triangular pointers at the bar code, 2D symbol, image or signature to be captured and watching the quick, snappy reading response. Because the Imager 8000 operates on a digital image rather than a linear scan, it provides true omnidirectional reading capability, eliminating the need to carefully align the unit with the target.

The Multi-Talented, Multi-Lingual Reader

The Imager 8000 decodes new 2D symbologies, including PDF417, DataMatrix, MaxiCode, QR, Aztec, and popular Postal codes as well as traditional 1D bar codes. By making the reader fully upgradeable, PSC helps

protect your investment by making it easy to add new symbologies and improved decoding software as they are developed. The standard RS-232C interface (with optional KBW interfaces) means you will see quick and seamless integration with your system so you can start enjoying the benefits of this full-function reader.

The Power to Improve Your Business Practices

Companies are adding 2D codes and imaging to their business processes every day to pack more information into the same size code or just to reduce the code size needed for the same amount of information. Imagine what a high quality, multi-function reader like the Imager 8000 could do for your business.



SPECIFICATIONS

MECHANICAL

Dimensions	2.7x 4.4 x 7.2" (6.9 x 11.2 x 18.3 cm)
Weight	9.6 ozs. (272 g)

OPTICAL

Sensor	640 x 480 Element 2D CMOS Array
Field of view	40° (H) x 30° (V)
Aiming	Dual triangular LED pointers with optimum focus distance indicator
Depth of field	
1D:	
7.5 mil	2.5 to 5.5" (6.3 to 14.0 cm)
15 mil	2.0 to 9.0" (5.1 to 22.9 cm)
2D:	
PDF417	10 mil 2.5 to 6.5" (6.3 to 16.5 cm)
MaxiCode	32 X 35 mil cell 1.5 to 7.5" (3.8 to 19.1 cm)
DataMatrix/OR	15 mil cell 2.0 to 6.0" (5.1 to 15.2 cm)
Rotation	360°
Pitch	±35°
Skew	±35°
Ambient light	0 - 100,000 Lux

ELECTRICAL

Operating voltage	4.5 to 11.0 VDC
Operating current@ 5 Volts	Shut down: <500 A Sleep: <3mA Average: <350mA Peak: <500 mA

ENVIRONMENTAL

Temperature rating	
• Operating	32° to 122° F (0° to 50° C)
• Storage	-40° to 158° F (-40° to 70° C)
Humidity	5 to 95% NC
Shock	withstands repeated six-foot drops (1.8m)

DECODING CAPABILITY

1D	
• UPC / EAN / JAN	• Code 93
• Code 39	• Codabar
• Code 128	• I 2/5
2D	
• PDF417	• DataMatrix
• MaxiCode	• QR
• Aztec	
Postal	
• US Postnet	• US Planet
• Australia Postal	• Japan Postal
Image & Signature Capture	
• 640x480 (8 bit gray scale)	
• Full, 1/2, and 1/4 views	
Processor	
• 166 MHz Intel® StrongARM™	

COMMUNICATIONS

Interface	
• RS-232C	
• KBW IBM AT/XT, PS/2	

SOFTWARE

- Single or autodiscriminate mode
- Fully upgradeable
- On Screen Programming & Viewing
- Programmable configuration (bar code or serial command)
- Triggering modes
 - Trigger
 - AutoSense®
 - Host controlled

SAFETY / REGULATORY

Electrical	Complies to: TÜV; UL & cUL
Emissions	Complies to: FCC-A; EN 55022; AS/NZ 3549; VCCI-B
LED Safety	IEC 60825 Class 1; Cenelec EN60825-1



Specifications Subject To Change Without Notice.
For further information, contact your PSC representative.

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