

4800p

2D Image Pod

The 4800p is a compact solution that delivers high performance barcode scanning, plus the added versatility of digital image capture. The 4800p's unique form factor makes it ideal for installation where space is limited and continuous scan mode enables a user to easily scan items by simply placing them in front of the scanner -- no need to press a trigger.

Powered by Adaptus® Imaging Technology 5.0, the 4800p delivers high-performance omni-directional reading of all barcode symbologies - including linear, stacked and 2D barcodes - with a single technology solution. Regardless of the barcodes in your application today, Adaptus Imaging gives you the flexibility to adapt as your business requirements change without the need to reinvest in new hardware.

Adaptus Imaging also enables the 4800p to take digital pictures – allowing the user to electronically capture, store, and retrieve information, including signatures, pharmacy prescriptions, and forms of personal identification - streamlining and simplifying the storage and management of information by going from paper to digital.

The 4800p's platform stand features an integrated tray that's optimized for capturing digital images of small documents such as drivers' licenses, ID cards or insurance cards. Angle and distance from the document are all pre-configured, making it fast and easy for users to capture and store high quality images of hard copy documents.

Used without the stand, the 4800p can serve as a triggerless handheld scanner, a fixed position scanning solution or an integrated component of a broader system such as a kiosk.



Features

- **High Performance and Versatile Data Collection:** Adaptus Imaging 5.0 provides aggressive omni-directional reading of all linear, composite, and 2D bar codes, plus digital image capture – enabling you to collect and manage more data with a single device.
- **Compact, User-Friendly Design:** Small footprint makes installation easy, even in locations where space is limited without sacrificing ease-of-use or functionality.
- **Robust Image Processing Software:** Advanced on-board software enabling you to crop, rotate, enhance, and compress digital images, ensuring their usability.
- **Multi-Functional Stand:** Positions the 4800p for easy presentation scanning and provides an integrated tray for imaging small documents.
- **Built to Last:** Solid-state technology ensures reliability.
- **Common Cabling:** Uses same cable solutions as our other linear and 2D imagers – simplifying ordering and spares pool management.

4800p Specifications

Performance

Illumination LEDs:	626nm ±30nm
Aiming (Green LED Aimer):	526nm ±30nm
Image:	VGA, 752x480. BMP, TIFF, or JPEG output.
Working Range:	

SF	7.5 mil Code 39 (.019cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	8.3 mil QR Code (.021cm)
Near	2.5 in. (6.4cm)	2.0 in. (5.1cm)	2.8 in. (7.1cm)	2.2 in. (5.6cm)	3.3 in. (8.4cm)
Far	6.4 in. (16.3cm)	8.8 in. (22.4cm)	5.9 in. (15.0cm)	7.5 in. (19.1cm)	5.4 in. (13.7cm)

Skew Angle:	±40°
Pitch Angle:	±40°
Motion Tolerance:	4 in. (10 cm) per second

Mechanical/Electrical

	Pod	Stand
Length:	3.35 in. (8.5 cm)	3.43 in. (8.7cm)
Height:	1.38 in. (3.5 cm)	6.99 in. (17.8cm)
Width:	2.33 in. (5.9 cm)	3.92 in. (10.0cm)
Weight:	3.0 oz. (85.0 g)	8.0 oz. (227.0 g)
Housing:	UL94-HB	UL94-HB
Power Requirements:	4.5 - 5.5VDC	
Current Draw (Typical)	Input	Scanning Idle
	5 V	350mA 75mA
Trigger:	Presentation trigger only (no mechanical trigger)	
Good Read LED:	No	
Beeper:	Yes	

Power Supply

Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz
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Environmental

Operating Temperature:	-22°F to +104°F (-30°C to +40°C) - Based on no more than 20 scans/minute
Storage Temperature:	-40°F to 158°F (-40°C to +70°C)
Humidity:	0 to 95%, non-condensing
Mechanical Shock:	Operational after 50 drops from 6 ft. (1.8 m) to concrete
Ambient Light:	50 to 100,000 lux (full sunlight)
ESD Protection:	Functional after 100 15kV discharges
Vibration:	Withstands 5G peak from 22 to 300 Hz
Agency:	USA: FCC Class B, UL Canada: IC Class B, cUL Europe: GS mark, CE mark, 60825-1 Class 1 LED, 60950-1
MTBF:	per MIL-HDBK-217F Ground Benign exceeds 70,000 hours

Symbologies

2 Dimensional:	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite
Linear:	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS, Codablock F, and BC412* <i>*available to licensed users</i>
Postal (SR/SF Only):	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post
OCR Fonts (SR/SF Only):	OCR-A, OCR-B
Interfaces:	USB Serial Com Port Emulation, USB Keyboard, USB Retail (IBM SurePOS), USB HID
Warranty:	5 years

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Honeywell
Imaging and Mobility
700 Visions Drive
PO Box 208
Skaneateles Falls, NY 13153-0208
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Honeywell

4800dr

Document Reader

The 4800dr is a full featured document imager designed to digitize paper documents for simple and efficient paperless processing, storage, and retrieval.

Powered by Adaptus® Imaging Technology 5.0, the 4800dr captures crisp images of documents up to 8.5" x 11" or A4 format in size and of any paper or text color. An integrated suite of easy-to-use image enhancement tools sharpen text, improve contrast, orientates and magnifies the image. In addition, built-in auto-cropping and a range of file configuration options and compression functions ensure the optimum image quality and file size for your application requirements. The 4800dr also has the added flexibility of barcode scanning functionality, and can read all linear, stacked and 2D barcodes.

The 4800dr's integrated stand design and document tray platform ensure easy set-up and operation without the need for continual adjustments or calibration – there is no need to reposition the device, regardless of document size. Simply place the document in the tray and capture the image.

A broad set of connectivity options including TWAIN, SANE and USB ensure that you can connect the 4800dr directly to your host system without the need for any modification or costly adapters.

Featuring 100% solid-state technology, there are no moving parts that can fail or require routine maintenance - ensuring years of uninterrupted, trouble-free operation. Combined with a full 3-year comprehensive warranty, the 4800dr delivers unmatched reliability and a low total cost of ownership.



Features

- **Purpose-Built for Document Imaging:** Imager, stand and document tray work together as an integrated document imaging solution and eliminate the need for adjustment due to varying document sizes.
- **Versatile Document Imaging Performance:** Adaptus® Imaging Technology 5.0 enables imaging documents up to 8.5" x 11.0" (A4) in size and specialized white illumination ensures crisp images regardless of document or font color.
- **Durable and Reliable Technology:** 100% solid state with no moving parts, and backed by a 3-year comprehensive warranty.
- **Broad Connectivity Options:** Supports TWAIN, SANE, and USB drivers, each with the imaging SDK library pre-loaded.
- **Barcode Scanning Functionality:** Provides the added flexibility of scanning linear, stacked and 2D barcodes, eliminating the need for purchasing a standalone barcode scanner.
- **Integrated Image Enhancement & Processing Tools:** Easy-to-use on-board tools for maximizing the quality and usability of captured images including sharpening, contrast improvements and digital zoom. A full range of automatic and selectable file compression options ensure the file size and image quality output meets your application needs.

4800dr Specifications

Functional Specifications

Technology:	1.3 megapixel Charged Coupled Device (CCD) image sensor
Resolution	
Standard:	100 dpi

Scanning Speed

20ppm minimum - 8.5" x 11.0" (A4) with image processing via TWAIN / SANE / SDKs

Output

Document Feeding Mode:	Manual
Document Size:	Up to 8.5 in. x 11.0 in. (A4)
Interface:	High Speed USB1.1. and serial TTL
Software Driver Support:	TWAIN, SANE, USB, Serial Port Emulation
Data File Format	
JPEG:	Compression scaled from 0 to 100
BMP:	Grayscale
TIFF:	Binary, Binary Compressed (Group 4), Grayscale
Auto-Cropping	Document-size dependent - reduces overall file size

Physical Specifications

Power Requirements:	4.0 to 5.5 VDC
Power Consumption:	370mA
Operating Temperature:	+32°F to +122°F (0°C to +50°C)
Storage Temperature:	-4°F to +140°F (-20°C to +60°C)
Humidity:	5 to 95% @ 50°C non condensing
Dimensions (including stand):	13.4" W x 14.1" D x 15.2" H (34.0cm x 35.8cm x 38.6cm)
Weight:	70 oz. (1.98kg)
Service Options:	1 and 2 year extensions to warranty
Inbox Contents:	Document reader, stand, right angle cable, quick start guide
Bundled Software:	Comes with a full suite of SDKs for image enhancement including, edge sharpening, background filters, auto-cropping

Options

Development Kit:	Part Number includes document reader, stand, cable, quick start guide, user manuals on CD, drivers on CD, Visual Express developer's tool
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Features

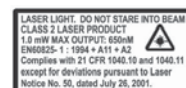
Limited Warranty:	3 years comprehensive – with no moving parts to wear or break
Auto-Cropping:	Significantly reduces file size for smaller documents and automatically square up image
Image Enhancement Software:	Full suite of image enhancement software including, edge sharpening, background filters, etc for optimizing image quality
White LED Secondary Illumination:	Able to detect all colors including reds and red based colors in low ambient environments where secondary illumination is required
Integrated Design:	Eliminates the need for dual imaging platforms
Barcode Reading:	Reads all major linear, stacked, and matrix bar codes (optional)

Environmental

Agency:	International: CB scheme to IEC60950-1 & IEC60825-1 Class 1 LED, Class 2 Laser. USA: FCC Part 15 subpart B Class A. UL listed to 60950-1. CDRH Laser Class II Canada: ICES-003 Class A. cUL listed to CSA C22.2 No. 60950-1-03 Europe: CE 2004/108/EC EMC Directive to EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3. 2006/95/EC Low Voltage Directive GS Mark: UL-Demko GS marked for I.T.E. safety Australia/NZ: C-Tick mark
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Document Reader Kits (USB)

Document Reader:	4800DR153I-0F00E
Document Reader with Barcoding:	4800DR153C-0F00E
Developers Kit:	4800DR153C-0D00E



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