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 bar code scanning functionality, and can read all linear, stacked and 2D bar codes.

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˝ or 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

- **Bar Code Scanning Functionality:** Provides the added flexibility of scanning linear, stacked and 2D bar codes, eliminating the need for purchasing a standalone bar code 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 Technical Specifications

Operational

Light Source	Illumination: Visible Red LED 652 nm ± 7.5 nm; Visible White LED 440 nm and 530 nm
Visual Indicators	Green = good scan or image
Host System Interfaces	USB, TTL Level RS232
Imaging Drivers	TWAIN, SANE, USB Serial Port Emulation

Mechanical

Dimensions (LxWxH)	340 mm x 358 mm x 386 mm (13.4˝ x 14.1˝ x 15.2˝)
Weight	2.0 kg (4.4 lb)

Electrial

Input Voltage	4.0 to 5.5 VDC
Operating Power	1.9 W (370 mA @ 5 V)
Standby Power	250 mW (50 mA @ 5 V)
DC Transformers	Class 2: 5 VDC @ 2.4 A
LED Class	Class 1: IEC60825-1, EN60825-1
EMC	FCC Part 15, ICES-003, EN55022 Class A

Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	5% to 95% at 50°C non-condensing
Drop	Designed to withstand 1.5 m (5´) drops (document imager only)
Environmental Sealing	IP41
Light Levels	100,000 Lux (9,290 foot-candles)

Performance

Scan Pattern	Area Image (1280 x 960 pixel array)
Motion Tolerance	7.5 cm/s (3 in/s) with 13 mil UPC at optimal focus
Print Contrast	20% minimum reflectance difference
Pitch, Skew	45°, 45°
Image Resolution	Standard: 100 ppi
Image Speed	20 ppm minimum - 8.5" x 11.0" (A4) with image processing via TWAIN / SANE / SDKs
Image Format	JPEG: Compression scaled from 0 to 100; BMP: Grayscale; TIFF: Binary, Binary Compressed (Group 4), Grayscale
Decode Capability	Reads standard 1D, PDF, 2D, Postal and OCR symbologies. Visit www.honeywell.com/aidc/symbologies for details. *Note: Decoding capabilities dependent on kit configuration
Warranty	3 year factory warranty

For more information:

www.honeywell.com/aidc

Honeywell