

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

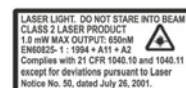
Limited Warranty:	3 years comprehensive – with no moving parts to wear or break
Auto-Cropping:	Significantly reduces file size for smaller documents and automatically square up image
Image Enhancement Software:	Full suite of image enhancement software including, edge sharpening, background filters, etc 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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