Honeywell

4850dr

Document Reader

For those looking to streamline recordkeeping, the 4850dr is a fully-featured document imager designed to digitize paper documents for simple and efficient paperless processing, storage and retrieval. Unlike traditional document scanners, the 4850dr has no moving parts, requires no regular maintenance, scans barcodes, and comes with a superior three-year warranty.



Powered by Adaptus Imaging Technology, the 4850dr captures crisp images of documents up to 8.5" x 11" or A4 formant, regardless of the paper or text color. An integrated suite of easy-to-use image enhancement tools can be used to sharpen text, improve contrast, reorient or magnify the image. In addition, built-in auto-cropping and an array of file configuration options and compression functions ensure optimum image quality and file size for your application requirements. The 4850dr also has the added flexibility of barcode scanning functionality, with the capability to read all linear, stacked, and 2D codes.

The 4850dr's integrated stand design and document tray ensure easy setup and operation, without the need for continuous adjustment 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 2.0—ensure you can connect the 4850dr directly to your host system without the need for any modifications 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 three-year comprehensive warranty, the 4850dr 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 enables imaging documents up to 8.5x11˝ or A4 size, and specialized white illumination ensures crisp images regardless of document or font color.
- **Durable & Reliable Technology:** Solid-state components with no moving parts, backed by a three-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 bar codes, eliminating the need for purchasing a standalone barcode scanner.
- **Integrated Image Enhancement & Processing Tools:** Tools to adjust captured images, including sharpening, contrast and digital zoom. A full range of automatic and selectable file compression options.

4850dr Technical Specifications

Operational	
Dimensions	Illumination: Visible white LED, 434 nm and 556 nm Aimer: Visible red VLD, 652.5 ± 7.5 nm
Visual Indicators	Green (for good scan) or image
Host System Interfaces	TWAIN, SANE, USB 2.0 Serial Port Emulation
Mechanical	
Dimensions (LxWxH)	383 x 340 x 365 mm (15.1 x 13.4 x 14.4 in)
Weight	Imager: 85 g (3 oz) Stand: 2 kg (4.4 lb)
Electrical	
Input Voltage	4.5 to 5.25 VDC
Operating Power	1.75 W (350 mA @ 5 VDC)
Standby Power	0.5 W (100 mA @ 5 VDC)
Environmental	
Environmental Sealing	IP40
Drop	50 drops from 1.5 m (5 ft) distance (document imager only)
Operating Temperature[1]	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (4°F to 140°F)
ESD	±8 KV direct, ±15 KV air
Humidity	5% to 95% relative humidity, non-condensing
Light Levels	100,000 lux
Scan Performance	
Scan Pattern	Area image (2592 x 1944 pixel array)
Scan Angle	Horizontal field angle: +/-25.5° Vertical field angle: +/-20°
Symbol Contrast	20% minimum reflectance difference
Pitch, Skew, Tilt	45°, 45°
Image Resolution	200 ppi
Image Speed	17 ppm minimum; 8.5” x 11.0” (A4) with image processing via TWAIN/SANE/SDKs
Image Format	JPEG: Compression scaled form 0 to 100; BMP: Grayscale; TIFF: Binary, Binary Compressed (Group 4), Grayscale
Decode Capability	Reads standard 1D, PDF, 2D, and Postal symbologies. Visit www.honeywell.com/aidc/symbologies for complete details.
Warranty	3 year factory warranty

Refer to the Honeywell Scanning & Mobility Compliance Center (www.honeywellaidc.com/compliance) to review and download any publicly available documentation pertaining to the certification of this product in a given country.

Refer to the Honeywell Scanning & Mobility Supported Symbologies Datasheet (www.honeywellaidc.com/symbologies) for a complete listing of all supported bar code symbologies.

Specifications are subject to change without notice.

For more information:

www.honeywellaidc.com

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About LOGISCENTER

Logiscenter is the leading provider of automatic identification and data capture equipments. Our products include barcode printing and reading devices, mobile computing devices, wireless access points, identification cards, and consumables.

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