Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-kodak.5'

$ man sane-kodak.5

sane-kodak(5)   SANE Scanner Access Now Easy   sane-kodak(5)

NAME

   sane-kodak - SANE backend for big Kodak flatbed and ADF scanners

DESCRIPTION

   The sane-kodak library implements a SANE (Scanner Access Now Easy) backend which provides

   access to large Kodak flatbed and ADF scanners.

   This document describes backend version 7, which shipped with SANE 1.0.21.

SUPPORTED HARDWARE

   This version should support models which speak the Kodak SCSI and Firewire protocols. The

   i1860 was used to develop the backend, but other models may work with only minimal modifi?

   cations. Please see the list at http://www.sane-project.org/sane-supported-devices.html

   for an updated list.

   If you have a machine not on that list, or reported as 'untested': the best way to deter?

   mine level of support is to test the scanner directly, or to collect a trace of the win?

   dows driver in action. Please contact the author for help or with test results.

UNSUPPORTED HARDWARE

   Most of the recent Kodak consumer or workgroup level machines are based on other chipsets

   and are not supported by this backend. Some of these scanners may be supported by another

   backend.

OPTIONS

   Effort has been made to expose the basic hardware options, including:

   --source s

      Selects the source for the scan. Options may include "Flatbed", "ADF Front", "ADF

Back", "ADF Duplex".

--mode m

Selects the mode for the scan. Options may include "Lineart", "Halftone", "Gray",

and "Color".

--resolution

Controls scan resolution. Available choices may be limited by mode.

--tl-x, --tl-y, --br-x, --br-y

Sets scan area upper left and lower right coordinates. These are renamed -t, -l,

-x, -y by some frontends.

--page-width, --page-height

Sets paper size. Used by scanner to determine centering of scan coordinates when

using the ADF (Automatic Document Feeder) and to detect double feed errors.

Other options will be available based on the capabilities of the scanner. Use scanimage

--help to get a list, but be aware that some options may be settable only when another op?

tion has been set, and that advanced options may be hidden by some frontend programs.

CONFIGURATION FILE

The configuration file kodak.conf is used to tell the backend how to look for scanners,

and provide options controlling the operation of the backend. This file is read each time

the frontend asks the backend for a list of scanners, generally only when the frontend

starts. If the configuration file is missing, the backend will use a set of compiled de?

faults, which are identical to the default configuration file shipped with SANE.

Scanners can be specified in the configuration file in 2 ways:

"scsi KODAK"

Requests backend to search all scsi buses in the system for a device which reports

itself to be a scanner made by 'KODAK'.

"scsi /dev/sg0" (or other scsi device file)

Requests backend to open the named scsi device. Only useful if you have multiple

compatible scanners connected to your system, and need to specify one. Probably

should not be used with the other "scsi" line above.

The only configuration option supported is "buffer-size=xxx", allowing you to set the num?

ber of bytes in the data buffer to something other than the compiled-in default, 32768

(32K). Some users report that their scanner will "hang" mid-page, or fail to transmit the

image if the buffer is not large enough.

Note: This option may appear multiple times in the configuration file. It only applies to
scanners discovered by 'scsi/usb' lines that follow this option.

Note: The backend does not place an upper bound on this value, as some users required it
to be quite large. Values above the default are not recommended, and may crash your OS or
lockup your scsi card driver. You have been warned.

ENVIRONMENT

The backend uses a single environment variable, SANE_DEBUG_KODAK, which enables debugging
output to stderr. Valid values are:

5 Errors

10 Function trace

15 Function detail

20 Option commands

25 SCSI trace

30 SCSI detail

35 Useless noise

KNOWN ISSUES

Most hardware options are either not supported or not exposed for control by the user, in?
cluding: multifeed detection, image compression, autocropping, endorser, thresholding,
multi-stream, etc.

CREDITS

The various authors of the sane-fujitsu(5) backend provided useful code.

Kodak provided access to hardware, documentation and personnel.

SEE ALSO

sane(7), sane-scsi(5), scanimage(1)

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