NAME

sane−teco1 − SANE backend for TECO / RELISYS scanners

DESCRIPTION

The **sane−teco1** library implements a SANE (Scanner Access Now Easy) backend that provides access to some TECO SCSI flatbed scanners. This backend should be considered **beta-quality** software! TECO scanners are sold under various brands like RELISYS, PIOTECH, TRUST. This backend may or may not support yours.

The scanners that should work with this backend are:

Vendor Model	TECO model	status
Relisys AVEC 2400	VM3520	tested
Relisys AVEC 2412	VM3520+	tested
Relisys AVEC 4800	VM4530	untested
Relisys AVEC 4816	VM4530+	untested
Relisys RELI 2400	VM3530	untested
Relisys RELI 2412	VM3530+	tested
Relisys RELI 2412	VM3530+	untested
Relisys RELI 4816	VM4540	tested
Relisys RELI 4830	VM4542	tested
Relisys RELI 9600	VM6530	untested
Relisys RELI 9612	VM6530*	untested
Relisys RELI 9624	VM6530+	untested
Relisys RELI 9630	VM6540	untested
Relisys RELI DS15	VM3440	untested
Relisys RELI DS6	VM3420	untested
Dextra DF−600P	VM3510	tested
Dextra DF−4830T	VM4542	untested
Dextra DF−1200T+	VM3530+	untested
Dextra DF−9624	VM6530+	untested

Note that the untested scanner will not be directly supported. You should contact the author for that.

The TECO VM number can usually be found at the back of the scanner. It is also part of the FCC ID. "sane−find−scanner −v" will also show the scsi inquiry, and if it is a TECO scanner, the name will be there too.

The options the backend supports can either be selected through command line options to programs like scanimage or through GUI elements in xscanimage or xsane.

If you have any success with a scanner not listed here, or if you have any strange behavior, please report to the backend maintainer or to the SANE mailing list.

Valid command line options and their syntax can be listed by using

scanimage −−help −d teco1

Scan Mode

−−mode

selects the basic mode of operation of the scanner valid choices are *Black & White* , *Grayscale* and *Color* The Black & White mode is black and white only (1 bit). Grayscale will produce 256 levels of gray (8 bits). Color will produce a 24 bits color image.

−−resolution
selects the resolution for a scan. The scanner can do all resolutions between 1 and 600, in increments of 1.

Geometry options

−l −t −x −y
control the scan area: −l sets the top left x coordinate, −t the top left y coordinate, −x selects the width and −y the height of the scan area. All parameters are specified in millimeters by default.

Enhancement options

−−custom−gamma
(color mode only) allows the user to specify a gamma table (see the next 3 parameters).

−−red−gamma−table
(color mode only) can be used to download a user defined gamma table for the red channel. The table must be 256 bytes long.

−−green−gamma−table
(color mode only) can be used to download a user defined gamma table for the green channel. The table must be 256 bytes long.

−−blue−gamma−table
(color mode only) can be used to download a user defined gamma table for the blue channel. The table must be 256 bytes long.

−−dither
(Black & White only) select the dither mask to use. Possible values are *Line art* , *2x2* , *3x3* , *4x4 bayer* , *4x4 smooth* , *8x8 bayer* , *8x8 smooth* , *8x8 horizontal* and *8x8 vertical*

−−preview
requests a preview scan. The resolution used for that scan is 22 dpi and the scan area is the maximum allowed. The scan mode is user selected. The default is "no".

CONFIGURATION FILE

The configuration file @CONFIGDIR@/teco1.conf supports only one information: the device name to use (eg /dev/scanner).

FILES

@LIBDIR@/libsane−teco1.a
The static library implementing this backend.

@LIBDIR@/libsane−teco1.so
The shared library implementing this backend (present on systems that support dynamic loading).

ENVIRONMENT

SANE_DEBUG_TECO1

If the library was compiled with debug support enabled, this environment variable controls the debug level for this backend. E.g., a value of 128 requests all debug output to be printed. Smaller levels reduce verbosity.

LIMITATIONS

The windows TWAIN driver has many more options than this SANE backend. However they are only software adjustments. This backend only implements what the scanner can support.

BUGS

None known.

SEE ALSO

sane−scsi(5), scanimage(1), xscanimage(1), xsane(1), sane(7)

AUTHOR

The package is actively maintained by Frank Zago.

http://www.zago.net/sane/#teco

CREDITS

Thanks to Gerard Delafond for the VM4542 support. Thanks to Jean-Yves Simon for the VM3510 support.