Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-teco2.5'

$ man sane-teco2.5

sane-teco2(5) SANE Scanner Access Now Easy sane-teco2(5)

NAME

sane-teco2 - SANE backend for TECO / RELISYS scanners

DESCRIPTION

The sane-teco2 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 Mustek, Relisys, Piotech, Primax, TRUST. This backend may or may not support yours.

The scanners that should work with this backend are:

Vendor Model	TECO model	status
Mustek ScanMagic 4830S	VM3575	untested
Primax Jewel 4800	VM356A	good
Primax Profi 9600	VM6575	basic
Primax Profi 19200	VM6586	good
Relisys APOLLO Express 3	VM356A	basic
Relisys APOLLO Express 6	VM6565	good

Relisys APOLLO Express 12 ? untested

Relisys AVEC II S3 VM3564 good

Relisys AVEC Super 3 VM3575 basic

Relisys SCORPIO Pro VM6575 good

Relisys SCORPIO Pro-S VM6586 untested

Relisys SCORPIO Super 3 VM3575 good

For all these scanners, lineart and gray mode work well. However, most of them do not support more than a handful of resolutions in color mode. See the backend home page (under AUTHOR) for the exact status of each scanner.

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.

The options the backend supports can either be selected through command line options to programs like scanimage(1) or through GUI elements in xscanimage(1), xsane(1), quiteinsane(1) or kooka(1).

If you have any success with a scanner not listed here, or if you no? tice any strange behavior, please report to the backend maintainer or to the SANE mailing list.

OPTIONS

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

scanimage --help -d teco2

Scan Mode

--mode Lineart|Gray|Color

selects the basic mode of operation of the scanner. The Lineart mode is black and white only (1 bit). Gray mode will produce 256 levels of gray (8 bits). Color will produce a 24 bits color image.

--resolution 1..600

Selects the resolution for a scan. The scanner can do all reso? lutions between 1 and 600, in increments of 1, for Lineart and Gray. For Color, a restricted set of resolutions are available.

Note: All values with ydpi > 300 (300 x 600) or 600 (600 x 1200) result in a wrong proportion for the scan. The proportion can be adjusted with the following imagemagick command:

convert -geometry (dpi/max_xdpi * 100%)x100%

max_xdpi is for the vm3575 constant with 300 dpi e.g. 600dpi ad? just with: convert -geometry 200%x100%

--preview

requests a preview scan. The resolution used for that scan is 50 dpi (for VM356A and VM6575 75 dpi) and the scan area is the max? imum allowed. The scan mode is user selected. The default is "no".

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 (no custom gamma option for the VM3564 and VM356A)

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

OPTIONS FOR COLOR MODE

These options are valid for scan mode Color only.

--red-gamma-table

Can be used to download a user defined gamma table for the red channel. The table must be 256 bytes long.

--green-gamma-table

Can be used to download a user defined gamma table for the green channel. The table must be 256 bytes long.

--blue-gamma-table

Can be used to download a user defined gamma table for the blue channel. The table must be 256 bytes long.

OPTIONS ONLY FOR VM3564, VM356A, VM3575 and VM6575

These options are only available for VM3564, VM356A, VM3575 and VM6575 models.

--white-level-r 0..64

Selects what red radiance level should be considered "white", when scanning some sheets by changing the calibration value loaded into the scanner. Scale 0..64 in steps of 1.

--white-level-g 0..64

Selects what green radiance level should be considered "white", when scanning some sheets by changing the calibration i value loaded into the scanner. Scale 0..64 in steps of 1.

--white-level-b 0..64

Selects what blue radiance level should be considered "white", when scanning some sheets by changing the calibration value loaded into the scanner. Scale 0..64 in steps of 1.

CONFIGURATION FILE

The configuration file /etc/sane.d/teco2.conf supports only one item: the device name to use (eg /dev/scanner).

FILES

/usr/lib64/sane/libsane-teco2.a

The static library implementing this backend.

/usr/lib64/sane/libsane-teco2.so

The shared library implementing this backend (present on systems that support dynamic loading).

ENVIRONMENT

SANE_DEBUG_TECO2

If the library was compiled with debug support enabled, this en? vironment 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.

SANE_TECO2_CAL_ALGO

Either 0 or 1. Selects the algorithm for the calibration. A value of 1 seems to give better scans on the VM356A, VM3575. Feedback on it is welcome. For VM3564, VM356A, VM3575, VM6575

default 1. For other supported types default 0.

LIMITATIONS

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

BUGS

Plenty. Parts of this backend are still under development.

SEE ALSO

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

AUTHORS

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http://www.zago.net/sane/#teco2

The package is actively maintained by Gerard Klaver.

http://gkall.hobby.nl/teco2.html

CREDITS

Thanks to:

Gerard Klaver for his relentless VM3575 testings and contributed a patch to support the VM3564 and VM356A.

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Michael Hoeller for testing the support for the VM356A.

Christoph.Hoeffner for testing the support for the VM3564 (Relisys AVEC II S3 firmware 1.09).