NAME

sane−sceptre − SANE backend for SCEPTRE scanners

DESCRIPTION

The **sane−sceptre** library implements a SANE (Scanner Access Now Easy) backend that provides access to Sceptre flatbed scanners. This backend should be considered **beta-quality** software! Please report any strange behavior to the maintainer of the backend or to the SANE mailing list.

At present, only one scanner is known to work with this backend:

Model	Connection Type
Sceptre VividScan S1200	SCSI

The make of this scanner is KINPO, so other scanners from that manufacturer may also work (eg. the S600).

OPTIONS

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) or **xsane**(1).

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

scanimage −−help −d sceptre

Scan Mode

−−mode Lineart|Halftone|Gray|Color
Selects the basic mode of operation of the scanner. The*Lineart* and *Halftone* mode are black and white only (1 bit). *Gr ay* will produce 256 levels of gray (8 bits). *Color* will produce a 24 bits color image. The scanner supports 30 bits internally but it only exports 24.

−−resolution 50..1200
Selects the resolution for a scan. The scanner can do several resolutions between 50 and 1200.

−−halftone−pattern 1|2|3|4
Selects the pattern mode that is used in *Halftone* mode.

−−gamma−correction Default|User Defined|High Density Printing|Low density printing|High contrast printing
controls the scanner internal gamma correction.

−−custom−gamma
Allows the user to specify a gamma table (see the next 3 parameters). *Color* mode 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. *Color* mode only .

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

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

−−threshold 0..255
Sets the threshold for black and white pixels in *Lineart* mode. Possible values are from 0 (darker) to 255 (lighter).

−−preview
Requests a preview scan. The resolution used for that scan is 30 dpi and the scan area is the maximum allowed. The scan mode is user selected. The default is "no".

The 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.

CONFIGURATION FILE

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

FILES

/usr/lib/x86_64-linux-gnu/sane/libsane−sceptre.a
The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane−sceptre.so
The shared library implementing this backend (present on systems that support dynamic loading).

ENVIRONMENT

SANE_DEBUG_SCEPTRE
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

Resolutions
The windows TWAIN driver can be set to any resolution between 50 to 1200 (excluding software interpolation). This backend cannot. Only a handful of resolution are available, although they should be numerous enough.

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/#sceptre