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Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-stv680.5'

$ man sane-stv680.5

sane-stv680(5)   SANE Scanner Access Now Easy   sane-stv680(5)

NAME

   sane-stv680 - SANE backend for STV680 camera's

DESCRIPTION

   The sane-stv680 library implements a SANE (Scanner Access Now Easy)

   backend that provides access to some STV680 cameras. This backend

   should be considered beta-quality software! STV680 cameras are sold un?

   der various brands like Aiptek. This backend may or may not support

   yours.

   The cameras that should work with this backend are:

   Vendor Model   USB vendor id USB product id status

   ----------------------- ------------ ------------- --------

   AIPTEK stv680   0x0553   0x0202   basic

   Konica e-mini   0x04c8   0x0722   untested

   DigitalDream l'espion XS   0x1183   0x0001   untested

   Creative WebCam Go mini   0x041e   0x4007   untested

   For all these cameras, see the backend home page (under AUTHOR) for the

   exact status of each camera.

For startup of this backend check that if present the stv680 kernel module is removed or disabled.

Also before using, enable the backend by editing the /etc/sane.d/dll.conf file, change #stv680 to stv680.

For problems with the untested cameras, you should contact the author for that.

The options the backend supports can either be selected through command line options to programs like scanimage(1) or through GUI elements in xcam(1). For both programs use the -B option needed for size buffer.

Some frontends examples:

xcam(1)

    xcam -B

scanimage(1): for writing in batch mode to a file or to a new file each time:

    scanimage -B -d stv680:libusb:001:002 --batch=out.ppm --batch-
    count 5 --mode "Color RGB"

    scanimage -B -d stv680:libusb:001:002 --batch=out%d.ppm --batch-
    count 5 --mode "Color RGB"

If you have any success with a camera not listed here, or if you ob? serve 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 stv680

Scan Mode

--mode selects the basic mode of operation of the webcams valid

    choices.

    The read resolution mode is 8 bits, output resolution is 24

    bits. Selects the resolution for a scan. The camera can do

    only the resolutions listed.

--Raw In this mode raw data is displayed

--Color

    In this mode the bayer unshuffle is done but no color correction

--Color_RGB

Bayer unshuffle, color correction

--Color_RGB_TXT

Bayer unshuffle, color correction, textline with date and time
is added

Enhancement options

--white-level-r -32..+32

Selects what red radiance level should be considered "white",
when scanning some sheets by changing the calibration value
loaded into the scanner. Scale -32 .. 0 .. +32 in steps of 1.

--white-level-g -32..+32

Selects what green radiance level should be considered "white",
when scanning some sheets by changing the calibration i value
loaded into the scanner. Scale -32 .. 0 .. +32 in steps of 1.

--white-level-b -32..+32

Selects what blue radiance level should be considered "white",
when scanning some sheets by changing the calibration value
loaded into the scanner. Scale -32 .. 0 .. +32 in steps of 1.

CONFIGURATION FILE

The configuration file /etc/sane.d/stv680.conf supports only one item:
the device name to use (eg usb 0x.... 0x....).

FILES

/usr/lib64/sane/libsane-stv680.a

The static library implementing this backend.

/usr/lib64/sane/libsane-stv680.so

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

ENVIRONMENT

SANE_DEBUG_STV680

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.

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 webcam can support.

BUGS

Plenty. Parts of this backend are still under development.

1. Some untested cameras.

2. Video streaming slow and stops sometimes (scanimage).

3. Sometimes 1/3 of image is NOK (xcam).

SEE ALSO

sane(7), sane-usb(5), scanimage(1), xcam(1)

AUTHORS

Gerard Klaver http://gkall.hobby.nl/stv680-aiptek.html

CREDITS

Thanks to developers of the other stv680 programs:

STV680 kernel module

pencam2 program

libghoto2(3) program (camlib stv0680)

11 Jul 2008   sane-stv680(5)