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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sane-v4l.5' command

\$ man sane-v4l.5

sane-v4l(5) SANE Scanner Access Now Easy sane-v4l(5)

NAME

sane-v4l - SANE interface for Video for Linux API

DESCRIPTION

The sane-v4l library implements a SANE (Scanner Access Now Easy) backend that provides generic access to video cameras and similar equipment using the V4L (Video for Linux) API.

This is ALPHA software. Really! Important features are missing and there are lots of bugs. The code is currently only tested on a Linux 2.4 system with a Hauppauge WinTV video card.

DEVICE NAMES

This backend expects device names of the form:

special

Where special is the UNIX path-name for the special device that corresponds to the v4l device. The special device name must be a v4l device or a symlink to such a device. For example, such a device name could be /dev/video0 or /dev/bttv0.

CONFIGURATION

The contents of the v4l.conf file is a list of device names that correspond to v4l devices. Empty lines and lines starting with a hash mark (#) are ignored. A sample configuration file is shown below:

```
/dev/bttv0  
# this is a comment  
/dev/video3
```

FILES

/etc/sane.d/v4l.conf

The backend configuration file (see also description of SANE_CONFIG_DIR below).

/usr/lib64/sane/libsane-v4l.a

The static library implementing this backend.

/usr/lib64/sane/libsane-v4l.so

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

ENVIRONMENT

SANE_CONFIG_DIR

This environment variable specifies the list of directories that may contain the configuration file. Under UNIX, the directories are separated by a colon (:), under OS/2, they are separated by a semi-colon (;). If this variable is not set, the configuration file is searched in two default directories: first, the current working directory (".") and then in /etc/sane.d. If the value of the environment variable ends with the directory separator character, then the default directories are searched after the explicitly specified directories. For example, setting

SANE_CONFIG_DIR to "/tmp/config:" would result in directories tmp/config, ., and /etc/sane.d being searched (in this order).

SANE_DEBUG_V4L

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.

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BUGS:

If more than one video card is present, a crash may occur. Frequency and geometry selection is missing.

Send bug reports to the SANE mailing list: sane-devel@alioth-lists.debian.net. You must be subscribed to the list to send mail. See <http://www.sane-project.org/mailling-lists.html> for details.

SEE ALSO

sane(7), xcam(1)

14 Jul 2008

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