NAME

sane−gphoto2 – SANE backend for gphoto2 supported cameras

DESCRIPTION

The **sane−gphoto2** library implements a SANE (Scanner Access Now Easy) backend that provides access to the digital cameras supported by gphoto2. This backend has only been tested with a handful of cameras so far. Patches to support other models are welcome.

Because of the limited testing of this backend, it is commented out in */etc/sane.d/dll.conf* by default. Either the comment character must be removed or the backend must be called explicitly. E.g. *scanimage −d gphoto2* or *xscanimage gphoto2*.

DEVICE NAMES

The current version of the backend only allows one camera to be connected. The device name is always "0".

CONFIGURATION

The contents of the *gphoto2.conf* specify the characteristics of the camera to be used. Resolutions (high resolution, low resolution, and thumbnail size) are required since they are needed by the sane frontends, but can't be obtained through the gphoto2 interface. Valid ports and cameras can be obtained by *gphoto2 −−list−cameras* and *gphoto2 −−list−ports* .

The **dumpinquiry** line causes some information about the camera to be printed.

Empty lines and lines starting with a hash mark (#) are ignored. A sample configuration file is shown below:

The **topfolder** line specifies the "fixed" part of the file path. For example, on the Kodak DC-240, files are stored in the directory */DCIM/100DC240.* The */DCIM* portion is constant, but 100DC240 will change and must be read from the camera. In this case, the line would read "topfolder=/DCIM"

Some cameras don't implement a file structure and store all pictures in the */* directory. This is indicated by setting "subdirs=0" with "topfolder=/"

```
port=usb:
camera=Kodak DC240
# this is a comment
high_resolution=1280x960
low_resolution=640x480
thumb_resolution=160x120
dumpinquiry
```

FILES

/etc/sane.d/gphoto2.conf

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

/usr/lib/x86_64-linux-gnu/sane/libsane−gphoto2.a

The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane−gphoto2.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. On *NIX systems, 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_GPHOTO2
> If the library was compiled with debugging support enabled, this environment variable controls the debug level for this backend. A value of 128 requests maximally copious debug output; smaller levels reduce verbosity.

GP_DEBUG
> Set to 1, 2, or 3, to enable various levels of debugging within the gphoto2 libraries.

SEE ALSO
sane(7)**, scanimage**(1)**, xscanimage**(1)**, libgphoto2**(3)

AUTHOR
Peter S. Fales

The manpage was largely copied from the **sane−dc210**(5) manpage.

BUGS
Many, no doubt.

More general comments, suggestions, and inquiries about frontends or SANE should go to the SANE Developers mailing list (see *http://www.sane−project.org/mailing−lists.html* for details). You must be subscribed to the list, otherwise your mail won't be sent to the subscribers.