

NAME

sane-dc210 – SANE backend for Kodak DC210 Digital Camera

DESCRIPTION

The **sane-dc210** library implements a SANE (Scanner Access Now Easy) backend that provides access to the Kodak DC210 camera. **THIS IS EXTREMELY ALPHA CODE! USE AT YOUR OWN RISK!!**

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 *dc210.conf* specify the serial port and baud rate to use. The **baud** rate specifies the maximum rate to use while downloading pictures. (The camera is always initialized using 9600 baud, then switches to the higher rate). On my 90MHz Pentium, I usually have no problems downloading at 115200 baud as long as the system is not excessively busy and the "interrupt-unmask flag" is set in the IDE driver (*hdparm -u1*). Supported baud rates are: 9600, 19200, 38400, 57600, and 115200.

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

cmdrespause specifies how many usec (1,000,000ths of a second) to wait between writing the command and reading the result. 125000 seems to be the lowest I could go reliably.

breakpause specifies how many usec (1,000,000ths of a second) between sending the "back to default" break and sending commands.

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

```
port=/dev/ttyS0
# this is a comment
baud=115200
dumpinquiry
cmdrespause=125000
breakpause=1000000
```

FILES

/etc/sane.d/dc210.conf

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

/usr/lib/x86_64-linux-gnu/sane/libsane-dc210.a

The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane-dc210.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_DC210

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.

SEE ALSO

sane(7)

AUTHOR

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This backend is based somewhat on the dc25 backend included in this package by Peter Fales.

The manpage was copied from the dc25 backend and somewhat edited by Henning Meier-Geinitz.

BUGS

Known bugs/limitations are: ?

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