

**NAME**

sane-qcam – SANE backend for Connectix QuickCam cameras

**DESCRIPTION**

The **sane-qcam** library implements a SANE (Scanner Access Now Easy) backend that provides access to Connectix QuickCam cameras.

**DEVICE NAMES**

This backend expects device names of the form:

*port*

where *port* is the I/O port address at which the device resides. This address is normally specified in hexadecimal using C syntax (e.g., 0x37b) and may be prefixed with the letter "u" (e.g., u0x37b) to force the backend to access the camera in uni-directional mode.

**CONFIGURATION**

The contents of the *qcam.conf* file is a list port addresses that may be connected to a Connectix QuickCam. Empty lines and everything starting from a hash mark (#) up to the end of a line are ignored. A sample configuration file is shown below:

```
0x37b # /dev/lp0
0x378 # /dev/lp1
u0x278 # /dev/lp2 forced in uni-directional mode
0x3bc # /dev/lp0 (alternate address)
```

In general, it is safest to list only the port addresses that really correspond to a QuickCam. For example, if one of the listed addresses actually connect to a printer, then starting up this backend will cause the printer to perform a device reset (which is generally undesirable).

**FILES**

*/etc/sane.d/qcam.conf*

The backend configuration file (see also description of **SANE\_CONFIG\_DIR** below).

*/usr/lib/x86\_64-linux-gnu/sane/libsane-qcam.a*

The static library implementing this backend.

*/usr/lib/x86\_64-linux-gnu/sane/libsane-qcam.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\_QCAM**

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.

**AUTHOR**

David Mosberger

**BUGS**

Support is currently limited to the color version of the QuickCam. The black-and-white camera is starting to work too, but I don't believe it works in all cases yet. Reportedly, acquiring images of certain sizes work fine, but others result in shifted images (sounds like a problem due to byte-padding).

The program needs root-privileges since it needs to be able to access the camera's I/O ports.

**SEE ALSO**

**sane(7)**