



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

\$ man sane-coolscan.5

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

NAME

sane-coolscan - SANE backend for Nikon film-scanners

ABOUT THIS FILE

This file is a short description of the coolscan backend for SANE.

DESCRIPTION

The sane-coolscan library implements a SANE backend that provides the interface to the following Nikon Coolscan Film scanners: Nikon LS20, LS30, LS1000, LS2000.

Even though the backend has worked for a number of people, there are still some problems, especially in combination with some SCSI card/drivers (AHA-1505/aha152x.o) and the autofocus command. You should consider this backend 'alpha' and be careful when using it the first time.

CONFIGURATION

The configuration file for this backend resides in /etc/sane.d/coolscan.conf.

Its content is a list of device names that correspond to Nikon Coolscan scanners. Empty lines and lines starting with a hash mark (#) are ignored. A sample configuration file is shown below:

```
#scsi Vendor Model Type
```

```
scsi Nikon * Scanner
```

```
/dev/scanner
```

The special device name must be a generic SCSI device or a symlink to such a device. To find out to which device your scanner is assigned and how you can set the permissions of that device, have a look at sane-scsi(5).

SCSI ADAPTER TIPS

Some SCSI-adapters and low-level SCSI drivers do not work correctly with this backend and the Coolscan scanners. These systems hang when the autofocus command is send to the Scanner. To see a list of which card/driver combinations work or don't work have a look at: <http://andreas.rick.free.fr/sane/autofocus.html>.

FILES

The backend configuration file:

```
/etc/sane.d/coolscan.conf
```

The static library implementing this backend:

```
/usr/lib64/sane/libsane-coolscan.a
```

The shared library implementing this backend:

```
/usr/lib64/sane/libsane-coolscan.so (present on systems that support dynamic loading)
```

ENVIRONMENT

SANE_DEBUG_COOLSCAN

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.

Examples:

On bash:

```
export SANE_DEBUG_COOLSCAN=8
```

On csh:

```
setenv SANE_DEBUG_COOLSCAN 8
```

BUGS

The autofocus command does not work with some SCSI card/driver combinations.

The gamma table is not implemented for the LS1000 yet.

The dust-removal is not working yet.

SEE ALSO

sane(7), sane-scsi(5)

<http://andreas.rick.free.fr/sane/>

The homepage of this backend.

<http://www.sema.be/coolscan/>

The original version of the coolscan backend by Didier.

THANKS TO

Didier Carlier - For writing the original Coolscan backend (without it I would not have started this).

Oliver Rauch - For adapting xsane so quickly to the infrared stuff.

All the other people working on SANE.

AUTHOR

Andreas Rick

EMAIL-CONTACT

andreas.rick@free.fr

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sane-coolscan(5)