Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sane-canon630u.5' command

$ man sane-canon630u.5

sane-canon630u(5)   SANE Scanner Access Now Easy   sane-canon630u(5)

NAME

    sane-canon630u - SANE backend for the Canon 630u USB flatbed scanner

DESCRIPTION

    The sane-canon630u library implements a SANE (Scanner Access Now Easy)

    backend that provides access to the following Canon flatbed scanners:

        CanoScan 630u

        CanoScan 636u

    Color scanning is supported at 75, 150, 300, and 600 dpi, and gamma and

    analog gain are adjustable.

    TESTERS ARE WELCOME. Send your bug reports and comments to Nathan Rut?

    man <nthn1@yahoo.com>.

CONFIGURATION

    The contents of the canon630u.conf file is a list of device names that

    correspond to Canon USB scanners. Empty lines and lines starting with

    a hash mark (#) are ignored. Only one device name can be listed in

    canon630u.conf. The program sane-find-scanner(1) helps to find out the

    correct device. Under Linux, such a device name could be /dev/usb/scan?

    ner0 for example. See sane-usb(5) for details.

    This product-specific scanner driver uses the lower-level kernel USB

    driver   "scanner".   Check   for   "Driver=usbscanner"   under

    /proc/bus/usb/devices.   If "Driver=(none)", try forcing it with insmod

    scanner vendor=0x04a9 product=0x2204

NOTES

Due to Canon's unwillingness to provide scanner documentation, this software was developed by analyzing the USB traffic of the Windows 2000 driver. So things like the calibration procedure I kind of made up; it seems to work for my scanner. If you have complaints, let me know.

This driver requires the ability to send USB Control Messages, avail‐ able in kernel 2.4.12 or later.

Some users have reported that this driver doesn't work at all. This seems to be a hardware specific issue, although I dsane-uson't know what exactly the problem is. If you are having problems, please send me the info in /proc/bus/usb/devices, /proc/pci, the kernel scanner.c driver version from /var/log/messages, and the output from SANE_DE? BUG_CANON630U=12 scanimage > /dev/null

FILES

/etc/sane.d/canon630u.conf

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

/usr/lib64/sane/libsane-canon630u.a

The static library implementing this backend.

/usr/lib64/sane/libsane-canon630u.so

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

/tmp/canon.cal

The calibration file used to normalize pixel brightness. This is calculated every time the scanner is first used after it has lost power. Deleting this file will force recalibration.

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 config‐ uration 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 sepa?
rator 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_CANON630U

If the library was compiled with debug support enabled, this en?
vironment variable controls the debug level for this backend.
Higher debug levels increase the verbosity of the output.

Example:

SANE_DEBUG_CANON630U=12 scanimage > /dev/null

SEE ALSO

sane(7), sane-usb(5), sane-find-scanner(1)

http://canon-fb630u.sourceforge.net/

AUTHOR

Nathan Rutman