Full credit is given to the above companies including the OS that this PDF file was generated!

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sane-hp5590.5' command

$ man sane-hp5590.5

```
sane-hp5590(5)          SANE Scanner Access Now Easy          sane-hp5590(5)

NAME

       sane-hp5590    -    SANE    backend    for    Hewlett-Packard

       4500C/4570C/5500C/5550C/5590/7650 Workgroup/Document scanners

DESCRIPTION

       The sane-hp5590 library implements a SANE  (Scanner  Access  Now  Easy)

       backend  that  provides  access  to the following Hewlett-Packard Work?

       group/Document scanners:

       ? ScanJet 4500C

       ? ScanJet 4570C

       ? ScanJet 5500C

       ? ScanJet 5550C

       ? ScanJet 5590

       ? ScanJet 7650

       If you own a scanner other than the ones listed above that  works  with

       this  backend,  please  let us know this by sending the scanner?s exact

       model  name  and   the   USB   vendor   and   device   ids   (e.g. from

       /sys/bus/usb/devices,  sane-find-scanner(1)  or syslog) to us.  Even if

       the scanner?s name is only slightly different from the models mentioned

       above, please let us know.

OPTIONS

       The options the backend supports can either be selected through command

       line options to programs like scanimage(1) or through GUI  elements  in
```

xscanimage(1) or xsane(1). Valid command line options and their syntax can be listed by using:

```
scanimage --help -d hp5590:interface:device
```

where interface and device specify the device in question, as in the configuration file. Add --all-options to also list the hardware read-out options. The -d parameter and its argument can be omitted to ob?tain information on the first scanner identified.

Use the command:

```
scanimage -L
```

to list all devices recognized by your SANE installation.

DEVICE SPECIFIC OPTIONS

-l n   Top-left X position of scan area in mm. Allowed range: 0 .. 215.889.

-t n   Top-left Y position of scan area in mm. Allowed range: 0 .. 297.699.

-x n   X width of scan-area in mm. Allowed range: 0 .. 215.889.

-y n   Y height of scan-area in mm. Allowed range: 0 .. 297.699.

By default, the maximum size will be scanned.

--mode mode

Select color mode. mode must be one of: ?Color?, ?Color (48 bits)?, ?Gray?, ?Lineart?.

? ?Color? - Scanning is done with 3 * 8 bit RGB color values per pixel.

? ?Color (48 bits)? - Scanning is done with 3 * 16 bit RGB color values per pixel.

? ?Gray? - Scanning is done with 1 * 8 bit gray value per pixel.

? ?Lineart? - Scanning is done with 1 bit black and white value per pixel.

--source source

Select the source for scanning. source must be one of: ?Flatbed?, ?ADF?, ?ADF Duplex?, ?TMA Slides?, ?TMA Negatives?.

? ?Flatbed? - Scan document on the flat document glass.

? ?ADF? - Scan frontsides of documents with automatic document feeder.

? ?ADF Duplex? - Scan front- and backsides of documents with au?tomatic document feeder. Note, the backside images must be rotated in a separate post process step.

? ?TMA Slides? - Slide scanning with transparent media adapter. (Not fully supported by hp5590 backend).

? ?TMA Negatives? - Negative film scanning with transparent me?dia adapter. (Not fully supported by hp5590 backend).

--resolution res

Set the resolution of the scanned image in dpi. res must be one of: 100, 200, 300, 600, 1200, 2400.

Default settings: Lineart, Flatbed, 100dpi.

--extend-lamp-timeout[=yes|no]

Extend lamp timeout period. no = 15 minutes, yes = 1 hour. (Default: no)

--wait-for-button[=yes|no]

Wait for button press before scanning starts. (Default: no)

--preview[=yes|no]

Request a preview-quality scan. (Default: no)

--hide-eop-pixel[=yes|no]

Hide end-of-page indicator pixels and overwrite with color of next neighbor pixels. (Default: yes)

The scanner uses the last pixel in every scan line for storing the end-of-page status. This is needed to detect the end of the document sheet when the automatic document feeder (ADF) is used. Unfortunately the end-of-page pixels are also generated in flatbed scans. It is recommended to hide these pixels.

--trailing-lines-mode mode

Filling mode of trailing lines after end of page when automatic document feeder (ADF) is used. mode must be one of: ?last?, ?raw?, ?raster?, ?white?, ?black?, ?color?. (Default: ?last?)

? ?last? = repeat the last scan line (recommended),

? ?raw? = read raw scan data (not recommended),

? ?raster? = generate black and white pixel pattern,

? ?white? = white pixels,

? ?black? = black pixels,

? ?color? = RGB or gray colored pixels (see next option).

--trailing-lines-color n

Set color value for filling trailing scan lines in trailing lines mode ?color? (see previous option). (Default color: vio? let)

The RGB color value must be specified and calculated as 65536 * r + 256 * g + b, with r, g, b being values in the range of 0 .. 255.

READ OUT OPTIONS

The following options allow reading out the button state, counter val? ue, color setting, and the state of document in ADF. This can be used to programmatically control corresponding scanner options like switch? ing between flatbed and ADF mode, or triggering post processing tasks after scanning.

--button-pressed

Get the id of the last button pressed. Id is one of ?none?, ?power?, ?scan?, ?collect?, ?file?, ?email?, ?copy?, ?up?, ?down?, ?mode?, ?cancel?.

The scanner stores the id of the last button pressed until it is read. After read out, the state is reset and subsequent read? ings will return ?none?.

--color-led

Get the state of the color LED indicators. The state is either ?color? or ?black_white?.

--counter-value

Get the counter value as shown on LCD. The value is in the range of 1 .. 99.

--doc-in-adf

Get the state of the document-available indicator of the auto? matic document feeder (ADF). The state is either ?yes? or ?no?.

HINTS FOR USERS OF SCANBD

scanbd(8) is a scanner button daemon, which can read scanner buttons and trigger scan actions.

Do not use the old scanbuttond(8) interface with hp5590. It is outdat?ed and shall not be used any more. The regular interface of scanbd(8) is fully supported by the current version of the hp5590 backend.

This example shows a minimum configuration file and the corresponding script file for scanbd(8) to be included in scanbd.conf.

? hp5590.conf

```
device hp5590 {
  # Device matching
  filter = "^hp5590.*"
  desc = "HP5590 Scanner Family"
  # Read out counter value and store in environment variable.
  function function_lcd_counter {
    filter = "^counter-value.*"
    desc   = "hp5590: LCD counter"
    env    = "SCANBD_FUNCTION_LCD_COUNTER"
  }
  # Run scan script when button is pressed.
  action do-scan {
    filter = "^button-pressed.*"
    desc   = "hp5590: Scan button pressed"
    script = "scan_action.script"
    string-trigger {
      from-value  = "none"
      to-value    = "scan"
    }
  }
}
```

? scan_action.script

```
#!/bin/bash
echo device = $SCANBD_DEVICE
echo action = $SCANBD_ACTION
echo counter = $SCANBD_FUNCTION_LCD_COUNTER
scanfile="$HOME/tmp/scans/scan-$(date +%s).pnm"
case $SCANBD_ACTION in
do-scan)
    scanimage -d "$SCANBD_DEVICE" > "$scanfile"
    ;;
*)
    echo Warning: Unknown scanbd action: "$SCANBD_ACTION"
    ;;
esac
```

FILES

@LIBDIR@/libsane-hp5590.a

The static library implementing this backend.

@LIBDIR@/libsane-hp5590.so

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

ENVIRONMENT

If the library was compiled with debug support enabled, this environ? ment variable controls the debug level for this backend.

SANE_DEBUG_HP5590

Higher debug levels increase the verbosity of the output:

10 - generic processing

20 - verbose backend messages

40 - HP5590 high-level commands

50 - HP5590 low-level (USB-in-USB) commands

Example:

```
export SANE_DEBUG_HP5590=50
```

SEE ALSO

sane(7), sane-usb(5) scanbd(8), scanimage(1), xscanimage(1), xsane(1)

AUTHORS

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