



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-pieusb.5'***

### **C:\>man sane-pieusb.5**

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

#### NAME

sane-pieusb - SANE backend for USB-connected PIE PowerSlide and Reflecta Digit?  
Dia/CrystalScan/ProScan slide scanners

#### DESCRIPTION

The sane-pieusb library implements a SANE (Scanner Access Now Easy) backend that provides access to USB-connected PIE and Reflecta slide scanners.

At present, the following scanners should work with this backend:

Model:	Status
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PIE PowerSlide 3600	Untested
PIE PowerSlide 3650	Untested
PIE PowerSlide 4000	Untested
PIE PowerSlide 5000	Untested
Reflecta CrystalScan 7200	Untested
Reflecta ProScan 4000	Untested
Reflecta ProScan 7200	Untested
Reflecta DigitDia 3600	Untested
Reflecta DigitDia 4000	Untested
Reflecta DigitDia 5000	Untested
Reflecta DigitDia 6000	Ok

#### MULTIPLE SLIDES

Support for multiple slide scanners (like the PowerSlide or DigitDia series) is done by auto-advancing ('Advance slide' setting) the slide after each scan.

However, for best results, it is recommended to do a preview for every slide since this sets gamma, brightness, and contrast to optimal values.

Attention: SANE does not have an automatic landscape/portrait detection and re-orientation when scanning multiple slides. You have to put all slides into one orientation first !

## DIRT REMOVAL

If available, pieusb supports infrared scans for dirt detection and removal. This must be enabled via the 'Clean image' setting.

## KNOWN PROBLEMS

The pieusb backend supports dirt removal based on infrared scan information. Since SANE does not provide post-processing in the backend, pieusb does the scanning and dirt removal during the setup phase. The 'scan' phase is only used to transfer the completed image. Therefore pieusb does not multi-thread making a typical frontend appear as 'blocked'. Also cancel requests are only honored between scans.

## ENVIRONMENT

### SANE\_DEBUG\_PIEUSB

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.

level debug output

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- 0 nothing
- 1 errors
- 2 warnings & minor errors
- 5 additional information
- 7 SANE api calls
- 9 backend functions
- 11 scanner functions
- 13 usb functions
- 15 image buffer functions

## FILES

@CONFIGDIR@/pieusb.conf

The backend configuration file

@LIBDIR@/libsane-pieusb.a

The static library implementing this backend.

@LIBDIR@/libsane-pieusb.so

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

#### SEE ALSO

sane(7)

#### CONTACT AND BUG-REPORTS

Please send any information and bug-reports to:

Klaus K?mpf <kkaempf@suse.com>

#### AUTHORS

The pieusb backend is based on work by Jan Vleeshouwers, Michael Rickmann, and

Klaus K?mpf

@PACKAGEVERSION@

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