

SNAVTCLIENT(1) Manual Page

NAME

snavtclient - AV TECH DVR Client

SYNOPSIS

snavtclient *OPTIONS*

DESCRIPTION

[snavtclient\(1\)](#) is free open source network client program for CCTV security surveillance digital video recorders (DVRs) manufactured by the AV TECH Corporation.

The following functionality is available:

- Displaying a DVR video stream.
- Controlling the DVR with a keyboard.
- Saving video frames to individual JPEG files.
- Showing information about the DVR device.

OPTIONS

-c, --channel=CHANNEL

Select specific video channel for display or capture. *CHANNEL* is typically a number from 1 to 16 (depending on how many channels your specific DVR model has available).

-j, --dumpjpeg=FILE

Dump video frame(s) to JPEG file(s) named by *FILE*. If *FILE* contains an @ character, it will be replaced with auto-incrementing six-digit sequence number starting from *000001*.

--dumpcount=N

Define how many video frames to dump (default *1*).

--dumpinterval=N

Define how frequently to dump video frames in seconds (default *1*).

-H, --dvrhost=HOST

DVR hostname or IP (default *127.0.0.1*).

-P, --dvrport=PORT

DVR port (default *80*).

-u, --dvruser=USER

DVR login username (default *admin*).

-p, --dvrpass=PASS

DVR login password (default *admin*). Please note that command-line arguments are often visible in the process list to any other users of the same computer. Therefore using this option is not usually safe on multi-user systems. If *PASS* is specified as : (colon), snavtclient(1) will prompt the user for DVR login password on /dev/tty.

-h, --help

Print a list of available command-line options and exit.

-i, --info

Show various information about the DVR device.

-L, --license

Display the full software license.

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- q, --quality=*QUAL***
Set image quality (*0* = high, *1* = medium, *2* = low).
- r, --resolution=*RESO***
Set image resolution (*0* = high, *1* = medium, *2* = low).
- d, --setdate**
Set DVR date and time from operating system time.
- s, --show**
Show video stream on screen.
- showasync**
Use asynchronous surface updates for video display.
- showdoublebuf**
Use double buffering for video display (if available).
- F, --showfullscreen**
Use full screen mode for video display (if available).
- showhw**
Use hardware acceleration for video display (if available).
- shownoframe**
Do not display window decorations.
- S, --showskip=*SKIP***
Skip *SKIP* frames after each displayed frame (useful for systems with slow video rendering).
- T, --showtitle=*TITL***
Show *TITL* as video display window title.
- Y, --showydouble**
Scale video frames vertically to double size (needed for half-frame video modes).
- v, --verbose**
Output details about actions to stdout.
- V, --version**
Print program version information and exit.
- videoinfo**
Output details about video driver.

ENVIRONMENT

Many SDL video display options can be set through SDL specific environment variables which are described at http://www.libsdl.org/cgi/docwiki.cgi/SDL_envvars.

OPERATION MODE SELECTION

snavtclient(1) works in one of four operating modes. Exactly one of *--show*, *--dumpjpeg*, *--setdate*, *--info* or *--videoinfo* options must be specified.

KEYBOARD BINDINGS FOR VIDEO DISPLAY

Key	DVR Function
1	Channel 1
2	Channel 2
3	Channel 3
4	Channel 4
5	Channel 5

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6	Channel 6
7	Channel 7
8	Channel 8
9	Channel 9
0	Channel 10
F1	Channel 11
F2	Channel 12
F3	Channel 13
F4	Channel 14
F5	Channel 15
F6	Channel 16
F10	4CUT display
F11	9CUT display
F12	8/16CUT display
TAB	Sequence display (cycle through channels automatically)
(minus) -	Minus
+ or =	Plus
(period) .	Set
z	Zoom
m	Menu
UP	Up
DOWN	Down
LEFT	Left
RIGHT	Right
ENTER	Enter
? or /	Search
INSERT	Record
p	Play
s	Stop
(comma) ,	Slow
SPACE	Pause
PAGE DOWN	Fast Forward
PAGE UP	Fast Rewind
NUMPAD +	Audio +
NUMPAD -	Audio -

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NUMPAD 0	Number 0
NUMPAD 1	Number 1
NUMPAD 2	Number 2
NUMPAD 3	Number 3
NUMPAD 4	Number 4
NUMPAD 5	Number 5
NUMPAD 6	Number 6
NUMPAD 7	Number 7
NUMPAD 8	Number 8
NUMPAD 9	Number 9
ESC	Quit
q	Toggle video quality (one of three)
r	Toggle resolution (one of three)
y	Toggle Y scale stretching

BUGS

Support for various different DVR models is currently very limited.

AUTHOR

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SEE ALSO

Additional information is available at software web site: <<http://snavtclient.epipe.com/>>

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