

# 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.
- Setting DVR time and date from system time.
- 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.

**--dumpjpegstream**

Append JPEG frames sequentially to a single file (instead of replacing the file with a fresh JPEG frame every time). The produced file can be converted to some sensible video format by mencoder(1), ffmpeg(1) or other similar tool which understands this file format. This is some sort of motion-JPEG format.

**--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.

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- 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.
- 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](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

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2	Channel 2
3	Channel 3
4	Channel 4
5	Channel 5
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

## SNAVTCLIENT(1)

PAGE DOWN	Fast Forward
PAGE UP	Fast Rewind
NUMPAD +	Audio +
NUMPAD -	Audio -
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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