VideoLAN

VLC 1.0
By
Jean-Paul Saman
<jpsaman@videolan.org>
Jean-Paul Saman

- 2001: member of VideoLAN team
- iPAQ H3600/3800/3900 port (ARM cpu)
- Ti Davinci port (ARM cpu)
- DVB C/S/T
- DV Camcorder input (1394/iLINK/Firewire)
- Various ...
History

- 2001: VLC released under GPLv2
- 2003: VLC gains streaming capabilities
- 2003: Runner up Apple Design Award
- 2004: Open Source Merit Award
- 2008: Wins Tim Award (PC Welt)
- 2008: First VideoLAN Developer Days
VLC
Is it a bird?
No it is not.
Is it a media player?
Yes it is.
VLC

- Supports more than 50 languages
  - English
  - German
  - French
  - Dutch
  - Spanish
  - Chinese
  - .. and more ..
VLC

- Supports various operating systems
  - Linux
  - MacOS X
  - Windows
  - *BSD
  - BeOS
  - Windows CE/Pocket PC (EXPERIMENTAL)
  - ... and more ...
VLC

- Supports various hardware
  - Webcams
  - DV camcorders (1394/iLINK/Firewire)
  - DC cameras
  - Network cameras
  - Encoder cards (PVR, etc.)
  - Satellite (DVB-C/S/T)
VLC

- Files
- DVD
- VCD
- CDROM
- Network Streams
  - HTTP
  - RTSP
  - Unicast, broadcast, multicast (udp, rtp)
Interface

- Qt based User Interface
  - Windows
  - Linux
- MacOS X
- Webbased
- Customizable interface (skins2)
- Remote control
  - Infrared (lirc, apple remote)
  - telnet
Qt Interface
Customize Qt Interface

Toolbars Editor

ToolBar Elements
- Play
- Stop
- Open
- Previous
- Next
- Slower
- Faster
- Fullscreen
- De-Fullscreen
- Extended panel
- Playlist
- Snapshot
- Record
- A->B Loop
- Frame By Frame

Main Toolbar
- Toolbar position: Under the Video
- Line 1:
- Line 2:
- Advanced Widget toolbar:

Time Toolbar

Fullscreen Controller

Profile
- Select profile:

Buttons:
- Cancel
- Close
MacOS X interface
Skins2
Scripting (lua)

- Apple trailers
- BBC
- Canal Plus
- Daily Motion
- France 2
- GoogleVideo
- Joox
- Mega Video
- YouTube
Effects

Adjustments and Effects

Audio Effects | Video Effects | Synchronization | v4l2 controls

Basic | Crop | Geometry | Color fun | Image modification | Vout/

- Image adjust
  - Hue
  - Contrast
  - Brightness
  - Saturation
  - Gamma
  - Brightness threshold

- Sharpen
  - Sigma

- Transform
  - Rotate by 90 degree

Close
What is new in 1.0?

- Instantaneous pausing
- Frame by frame playback
- Blu-ray
- Timeshift for most medias
- On-the-fly recording of all medias
- RTSP trickplay support
- RTSP Darwin Streaming Server support
What is new in 1.0?

- Dirac encoder/decoder
- WMA 1,2 fixed integer decoder
- Shine MP3 fixed integer encoder
- DVB scanning on Linux
- On-the-fly gzip, bzip2 decompression (except on windows)
- Global hotkeys (windows, linux)
Teletext
What is new in 1.0?

- New languages
  - Khmer
  - Mongolian
  - Sorani
What is changed?

- No MacOS X 10.4 support
- Finer speed control
- Alsa and OSS audio capture has been removed from video4linux (v4l, v4l2)input
  - Use --input-slave alsa:// or oss:// if needed.
- Subtitle core improvements
- Effects (cube, torus, etc.) removed from OpenGL
- Bug fixes ....
## Codec Support

### Input Media

- **UDP/RTP Unicast**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **UDP/RTP Multicast**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **HTTP / FTP**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **MMS**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **TCP/RTP Unicast**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **DCCP/RTP Unicast**: ❌ ❌ ❌ ❌ ❌ ❌ ❌
- **File**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **DVD Video**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Video CD / VCD**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **SVCD**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Audio CD (no DTS-CD)**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **DVB (Satellite, Digital TV, Cable TV)**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **MPEG encoder**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Video acquisition**: Direct Show ✓ ¡Sight, EyeTV ✓ V4L, V4L2 ✓ ✓ ✓ ✓

### Input Formats

- **MPEG (ES,PS,TS,PVA,MP3)**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **AV**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **ASF, WMV, WMA**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **MP4, MOV, 3GP**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **OGG, OGM, Amrodex**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Miroskva (MKV)**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Real**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **WAV (including DTS)**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Raw Audio: DTS, AAC, AC3/AS2**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Raw DV**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **FLAC**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **FLV (Flash)**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **MFX**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Nut**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Standard MIDI, SMF**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
- **Creative Voice**: ✓ ✓ ✓ ✓ ✓ ✓ ✓
Is it a server?
Yes it is.
Is it a framework?
Yes it is.