wyplay™
The Art of TV-Centric Software

Connected TV

Unleash your television with advanced Recorder and Media Center features

Wyplay unveils its newest generation Connected TV Software Solution. Targeting television manufacturers, it enhances televisions with a comprehensive list of connectivity and media-capability features.

Based on the latest generation processors (ST, Broadcom, Intel, Marvell…) the Wyplay Connected TV Software Solution provides full support for the most popular music, photo, and video HD formats. Compatible with worldwide standards (DVB-T, DVB-S2, DVB-C, ATSC, DMBT, ISDB, SBTVD…), it supports MPEG4-HD and can integrate interactivity engines including MHEG-5. Using an internal or external hard-disk drive, the Wyplay Connected TV Reference Design provides full DVR functionality greatly improving end-user experience.

The Wyplay Connected TV Software Solution, part of WMS (Wyplay Modular Solutions), includes a full set of interfaces making it a highly connected platform ideally suited for home networking, online services, and content sharing with mobile devices. It is an open solution that can be used for enhancing existing TV chassis with plug-in solutions or for new generation chassis designs without compromising time-to-market (including one-chip platforms).

Choosing Wyplay as a partner guarantees a highly differentiated product offering that will serve to reinforce your corporate brand.

TV   MUSIC   PHOTO   VIDEO

Connected TV

Core

- Optimized for different platforms, including ST, Broadcom, Marvell, Intel… Highly portable SW stack based on Wyplay's signature WMS software solution. Supports high-definition content and state-of-the-art A/V decoding

- Wyplay Software based on Embedded Linux OS

- Application Development Kit (ADK)including high-level API and modular approach for in-depth integration and customization

- Advanced hardware security allowing robust protection of software and contents

- Software upgrade (from USB, from network, OTA)

Connectivity

- USB2 for connecting portable devices: Mass storage (FAT/NTFS/HFS/Ext2/Ext3/JFS/Reiser), PTP (Camera), keyboard, mouse, gamepad, webcam

- Ethernet 10/100

- WiFi a/b/g or n (optional)

- Bluetooth (optional)

Digital TV

- Compliant with DVB (satellite, terrestrial, cable), DMBT, ATSC, ISDB, SBTVD broadcasting standards (SD and HD)

- Dual-tuner / Picture-in-Picture / Mosaic

- MHEG-5 and MHP interactivity engines (optional)

- Electronic Program Guide (EPG) (advanced online EPG optional)

- Digital Video Recorder (DVR) with time-shifting, on external or embedded HDD

- DVB-CI and/or embedded CA system (optional)

Internet Services

- Web Browser

- Widgets

- WebTV & Video:
VOD and UGC (e.g. YouTube), web video streaming

- Web Music:
Internet radio, shoutcasts, personalized radio (smart radio)

- Favorites Infotainment feeds (RSS, Atom):
Weather, News and stock info, podcasts…

- Community and sharing:
Online media album: video, music, photo (e.g. Picasa, Flickr…)

- BitTorrent client

- Gaming

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Audio Jukebox

- MPEG1/2, MPEG4 AAC, MP3, WAV, WMA, OGG Vorbis, DTS, Dolby Digital and Dolby Digital Plus, FLAC…

- Playlist Management

- Id3 tag services including cover flow

Video Jukebox

- MPEG1/2, MPEG4 Part 2, MPEG4 Part 10 SD/HD (AVC / H.264), WM9/VC1 SD/HD, Xvid, DivX…

- AVI, ASF, MP4, MKV, ISO, VOB, TS

- Smooth trick modes

- Multiple audio tracks / subtitle files

- DRM Support (MSDRM 10)

Photo Album

- JPEG, TIFF, PNG, BMP, GIF

- Slideshow with animations and music

- Rotate, Zoom

- Thumbnail mode

Home Networking

- Compliant with UPnP / DLNA 1.5 standards (client, server)

- DHCP + Auto-IP network configuration

- Media Player and Server: Share and access contents with PC and other in-home networked devices

- Samba client and server

User Interface

- User-friendly and intuitive 2D/3D animated graphic interface

Options

- CD/DVD/Blu-Ray reader/burner (USB or ATAPI)