

OV-IP7150

IP-based H.264/AVC & VC1, HD PVR

Overview

The OV-IP7150 is an IP-based Set-Top Box supporting MPEG2, WMV and H.264 SD/HD decoding. It offers enhanced capabilities for IPTV services including Multicast, VOD and Internet access.

The OV-IP7150 enable Service Providers to deliver interactive multimedia services to end-users, thereby increasing the value of the operator's network, enabling operators to increase revenues, and reducing customer churn. It also provides subscriber with more flexible and personalized viewing experience.

Key Features

- **Advanced H.264 / AVC and VC1 Decoding**
 - Maximum bandwidth efficiencies
- **Centralized Codec Upgrades**
 - Scalable Architecture and flexible codec design provides the option of using MPEG2, H.264 / AVC or VC1 to meet growing requirements
 - Protect your investment and extend product life
- **Enhanced Video Quality**
 - Be capable of driving High Definition (HD) displays
- **Flexible Audio and Video Outputs**
- **Network PVR Functionality**
- **Plug & Play, Simple Installation and Setup**
- **Remote Management and Online Software Upgrade**
- **Fully Compatible with Open International Protocol**
- **Well-documented API, Easy Integration, Support Development of Applications**
- **Support a Wide Range of Video Server, Middleware and Content Protect Solutions**
- **Cost Optimized Technology and Design, Low Cost of Ownership**

Specifications

Embedded Architecture

- Processor: MIPS with MPEG Decoder
- Flash Memory: 8 MB up to 32 MB
- DDRAM: 64 MB up to 256 MB
- Operating System: Linux

Video

- Decoding Standards:
 - MPEG-2 MP@ML (ISO/IEC13818), up to 10Mb/s
 - H.264/AVC MP HP up to L4.1
 - VC1 AP@L3, Simple and Main Profile
- Video Form: PAL / NTSC
- Aspect Ratio: 4:3 and 16:9, auto format detection
- Out Definition:
 - 480i, 480p, 576i, 576p, 720p or 1080i
- Video Output: CVBS, S-Video, YUV, HDMI

Audio

- Decoding Formats: MPEG (Layer1,2), MP3, AAC, WMA
- Volume Control: 32-level adjustable, mute
- Output Modes: Mono / Stereo

Protocols

- IP Protocol: IPv4
- Network Protocol: TCP/IP, HTTP, POP3, DHCP, DNS, FTP, NTP, SSL, PPPoE, SNMP, SMTP
- Streaming Protocol:
 - Multicast IPTV (IGMP)
 - Video On Demand (RTSP/RSVP control)
 - Microsoft Windows Media Server (RTSP)
- Transport Protocol: ISMA, TS over UDP, TS over RTP

Interfaces

- Ethernet Interface: 1×10/100M Base-T, RJ45
- Video/Audio Output: 1xDB15, 1xHDMI
- USB2.0 Hostx2
- USB1.1 Hostx1
- S/PDIF (Optical)x1
- Hard Disk (Serial-ATA)

- IR Remote Control for TV and Set-top Functions
- Plug-top Power Supply (12V Power Adaptor)

OSD

- Video/Graphics Plane Multiple Layer
- Colour: 32-bit ARGB for video
- Alpha Blending: 256 level
- OSD Flicker Filter
- Picture-in-Graphics
- 2D Graphic Acceleration

Application Software

- Embedded Browser: HTML4.0, JavaScript 1.5
 - Picture formats: GIF, JPEG, BMP, PNG, etc.
 - Multi-Language support
- Work with variety of Video Server, Support VCR Control and Trick-play Function
- Support a range of Middleware and Content Protect Solutions
- Support for Multiple PID's Provided
- Support JavaScript-based Network Games
- Support Remote Configuration and Diagnosis
- Support Online Software Upgrade
- Support IP Multicast filter

Others

- Dimensions: TBD (W ×H×D)
- Power Supply: External 12 V
- Power Consumption: <10 W
- Silent Operation: No Forced Air Cooling
- Approvals: CE, FCC, etc.

Optional Features

- IR Keyboard
- Ethernet Interface: 2×10/100M Base-T, RJ45
- WiFi
- Expand Interface: RF modulator, Smart Card Slot (ISO7816)
- JVM and Flash 6.0
- Macrovision Copy Protection