

XTV106

Ver. 1.1
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Overview

XTV106 offer High Definition (HD) solution by advanced video decoder H.264/ AVC engines.

XTV106 is implemented by a very flexible platform, allowing comprehensive decoding method, middleware, browser, video-on-demand, conditional-access to be integrated in system.

Based on different requests from customers, it can be easily constructed to provide customers premises for interactive video services.



Features

- ⌋ HD (High Definition)
- ⌋ HD/SD MPEG2 Main Profile at Main and High levels
- ⌋ HD/SD H.264/AVC main and high profile to level 4.1 (HD), Level 3.1 (SD)
- ⌋ SD MPEG-4 P2 SP/ASP, DivX 3.11/4.1/5.x
- ⌋ VC-1 advanced profile @ level 3 (Option)
- ⌋ VC-1 simple and main profile (Option)
- ⌋ Audio decode: AAC LC, AAC LC+SBR Level 2, AAC+ Level 2, AAC+ Level 4
- ⌋ Audio decode: MPEG1 Layer 1, 2
- ⌋ Audio decode: Windows Media and Windows Media Pro Audio (WMA) (Option)
- ⌋ HDMI 1.3/DVI 1.0 with HDCP 1.2
- ⌋ Supports different Middleware and Conditional Access vendors
- ⌋ Audio outputs
 - Stereo Audio
 - Digital Audio surround via S/P-DIF (coaxial and optical) direct pass-through from media content
- ⌋ Video outputs
 - SD: Composite
 - HD: HDMI/HDCP
 - SD: PAL, NTSC and SECAM
 - HD: 720p, 1080i, 1080p30
 - 4:3 and 16:9 format
- ⌋ IR remote control
- ⌋ 10/100 BaseT Ethernet
- ⌋ Multicast streaming
- ⌋ Video on demand
- ⌋ Conditional Access smartcard-less
 - OTP for storage of secure information and special customer configurations.
- ⌋ Embedded browser

Specifications

System

- ⌋ Microprocessor: MIPS32 400Mhz (two thread)

processor)

- i Main Memory: DDR2 256MB
- i Flash: NOR 2MB + NAND 128MB
- i Operating System: Linux 2.6.xx

Hardware Interfaces

Rear panel:

- i **USB2.0 host:** Support for external device
- i **IR extension (IR Blaster is option)**
- i **L/R Stereo Audio (RCA):** for audio equipment
- i **Composite Video (RCA):** video output to TV set
- i **HDMI**
- i **Ethernet 10/100 :** for network access
- i **DC Power Jack**
- i **Power ON/OFF switch**

Front panel:

- i **LED:** Power/ Standby, IR
- i **USB 2.0 host**
- i **IR receiver:** for remote control
- i **Button:** OK, UP, DOWN

Software

- i Using Linux open standards
- i CA/DRM supported for a choice of vendors
- i IGMP v2/v3 multicast client for IP broadcast TV
- i Common network protocols supported (ICMP, UDP, TCP, DHCP, IGMP, TFTP, DNS, HTTP...)
- i RTSP client
- i ANT browser
- i Secure software download over network for

firmware upgrade in the future

- i ANT Browser features:
 - n HTML 4.01
 - n CSS 2.1 and Partial CSS 3
 - n ECMAScript ECMA-262 (comply to Javascript 1.5)
 - n DOM Level 2
 - n Conforms to HTTP 1.0 and supports many features of HTTP 1.1
 - n HTTPS: SSL2, SSL3, TLS1
 - n Supports XML 1.0 Recommendation of the W3C, and supports the Namespaces in XML 1.1 Recommendation
 - n Supports the de facto standard XMLHttpRequest object
 - n Unicode 3.0.0
 - n UTF8
 - n Picture format: GIF, JPEG, PNG

Electrical values

- i Power adaptor:
 - 12VDC/1.5A
- i Power consumption: ~ 10W

Physical

- i Dimensions: (W*D*H) 177mm x 105mm x 35mm
- i Net weight: 0.4 Kg

Complied regulations

- i EMI/Safety: FCC/CE