

ADVANCED IP HIGH-DEFINITION SET-TOP



Strengthen your IP Video Leadership – Count on Motorola’s VIP2202 to help you deliver innovative, advanced IP HDTV experiences to your premium customers.

The Motorola Advanced IP High-Definition Set-top (model VIP2202) is a compact, superior, HDTV IP set-top. The Motorola VIP2202 allow operators to expand their subscriber base, increase customer satisfaction, and grow their average revenue per user by offering their consumers rich home entertainment experiences with crystal clear HD picture and surround sound. with the added flexibility of watching on-demand services whenever they want.

Highlights

- Easy to use and install
 - Connects to high definition or standard definition TVs
- Offers superior high definition video and all digital sound quality
 - Supports Standard Definition and High Definition (SD/HD) high-quality digital video
 - Dolby® Digital AC3 and AAC digital audio

The VIP2202 is part of Motorola's comprehensive, secure, flexible, reliable, scalable, and open end-to-end IPTV Solution Suite—enabling operators to effectively compete with the incumbent cable operator, while bringing down the cost of delivering compelling next-gen HD IP video experiences. This high performing platform will allow the operator to roll out additional revenue generating services throughout the service life, without sacrificing the on-screen consumer experience. With deployment of the VIP2202 operators will retain high-value customers and grow their subscriber base, increase average revenue per user (ARPU), lower capital spending, all while improving customer loyalty and retention.

With the VIP2202, Motorola redefines the IP Video experience, enabling operators to accelerate their time to revenue, while providing their subscribers with quality, next-generation IPTV. The VIP2202 allows operators to deliver a myriad of differentiated

offerings—meeting the growing consumer demand for personalized video content and delivery options—while balancing the operator's need to closely manage their capital investment and operating expenses. The VIP2202 offers subscribers the latest advanced IPTV experiences and features, including,

- Two-way IP capabilities to support multiple interactive applications, such as broadcast TV, time-shifted TV, and multicast
- Feature-rich interactive applications and graphics
- Digital TV functionality, including interactive electronic program guide (EPG) and video on demand (VOD)
- Digital video scaling and hardware support for multiple picture-in-picture (PiP) – up to 16 PiPs in a Mosaic-style view

Highlights

- Interactive IP set-top - supports all the traditional set-top features, including Electronic Program Guides (EPG) and Video On Demand (VOD) as well as many web/IP-delivered applications, using rich advanced graphics
- Support for secure Digital Rights Management (DRM) with integrated Secure Processor
- Supports High-Definition Multimedia Interface™ (HDMI™) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- Secure - Macrovision® and CGMS-A analog copy protection schemes
- Supports multiple IR protocols – Universal Remote Control friendly
- Supports multiple video codecs for optimum deployment flexibility - MPEG-4 AVC (H.264), MPEG-2 and VC-1
- Environmentally friendly - ENERGY STAR® Tier 1 qualified, ENERGY STAR® Tier 2 ready and RoHS compliant

Technical Specifications

Video Interfaces

High definition TV: HDMI with HDCP support, Component video (Y Pb Pr)
Standard definition TV: S-Video, Composite video (2 sets), Channel 3/4 RF remod
Video Codecs: MPEG-2, MPEG-4 AVC (H.264), VC-1, WMV

Audio

Audio Interfaces: Optical S/PDIF, L/R RCA stereo audio connectors (2 pairs)
Audio Codecs: Dolby Digital 5.1, Dolby Digital Plus, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC, WMA

Other Interfaces

IR receiver for remote: RC5, RCMM, and NEC protocols
USB: 2.0 (front and rear panel)
Ethernet: 10/100Base-T Ethernet (RJ-45)
Power input: External power supply
Optional: HomePNA v3.1 interface
Optional: 802.11n Wi-Fi® access point

Software

Operating system: Windows® CE version 5.0, LINUX®
Streaming protocols: RTSP, RTP/RTCP
Software upgrade: Remote software download/upgrade
Copy protection: Macrovision 7.1, CGMS-A, HDCP
User interface: Electronic Programming Guide (EPG)

Video Resolution

NTSC: 480i, 480p
High definition: 720p, 1080i, 1080p

Processing

CPU: 1,000 DMIPS
DRAM: 256 MB standard (supports up to 512 MB)
Flash: 64 MB standard (supports up to 128 MB)

Middleware

Microsoft: Mediaroom middleware
Alcatel: Media Manager middleware

Security

Microsoft: Mediaroom DRM

Physical

Dimensions: 2.2 in H x 10 in W x 7.8 in D (5.6cm x 25.4cm x 19.8cm)
Weight: 2.95 lb (1.3 kg)
Power: 95 to 130 VAC, 12 VDC
Power consumption: 20 W max.
Operating Temperature: 32 °F to 104 °F (0 °C to 40 °C)
Operating Humidity: 8% to 95% (non-condensing)

Other

Limited warranty: One year
Compliance: UL listed (U.S. and Canada), RoHS, ENERGY STAR Tier 1, FCC Part 15, CSA, and IC

Wireless Interface (Optional)

Compliance: IEEE 802.11n Draft 2.0
Frequency Band: 5 GHz
Antenna: 2x3 MIMO
RF Power: 20 dBm
PHY rate: up to 300 Mbps**
Frame Aggregation: A-MPDU
Coding: Convolutional, STBC
Security: WEP, WPA, WPA2, 802.1X
Setup: Support for Wi-Fi Protected Setup™ (WPS) Push Button Control (PBC)

** Actual throughput will be lower and vary depending on application and network environment

*Specifications subject to change without notice



MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. Microsoft, Windows, and Mediaroom are registered trademarks of Microsoft Corporation in the U.S. and/or other countries. Wi-Fi and the Wi-Fi Alliance logo are registered trademarks and Wi-Fi Protected Setup is a trademark of the Wi-Fi Alliance. Dolby is a registered trademark of Dolby Laboratories. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. Linux is a registered trademark of Linus Torvalds. Macrovision is a registered trademark of Macrovision Corp. ENERGY STAR is a registered mark owned by the U.S. government. © Motorola Inc. 2009. All rights reserved.