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High-Definition IP Video Set-Top Box with Digital Video Recording (DVR)

MODEL

VIP1216

MOTOROLA

The VIP1216 is a compact, superior, high-definition television IP set-top with a built-in hard disk drive for DVR functionality. The VIP1216 also supports standard-definition high-quality digital video. Its two-way IP capability allows it to be used with multiple interactive applications, including broadcast TV, time-shifted TV, multicast, and VoD, and supports multiple middleware software solutions. The VIP1216 includes a high-end system-on-chip processor and enhanced graphics to decode HD and SD digital TV, as well as output high-quality surround sound audio.

FEATURES
• High-Definition and Standard Definition television
• Multiple Digital Rights Management (DRM) supported
• High-Definition Multi-media Interface (HDMI) connectivity
  with High-Bandwidth Digital Content Protection (HDCP)
• Component video (Y Pb Pr) connectivity
• IR remote receiver
• Two-way IP data communication
• System-on-chip 400+ DMIPS processor
• 128 MB DRAM
• Full range of industry-standard video, audio, and data
  outputs (see "Technical Specifications" for details)
• Dolby® Digital AC3 and AAC digital audio
• Macrovision copy protection
• Digital video scaling and hardware support for Picture-in-Picture
• IP networking over coaxial cable using HPNA v.3
• MPEG-4 (H.264), VC-1, and MPEG-2 video codecs

BENEFITS
• Superior high-definition video and
  all-digital sound quality
• Connects to High-Definition (HD)
  or Standard-Definition (SD) televisions
• Integrated hard disk drive (HDD)
  for DVR functionality with
  watch-and-record capabilities
• Standard 160GB HDD
• Supports feature-rich interactive
  applications and graphics
• Supports digital TV functionality, including
  electronic program guide (EPG) and
  video on demand (VoD)
• Supports whole-home DVR

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TECHNICAL SPECIFICATIONS

Middleware	Open platform, can support diffent middleware solutions
Security	Open platform, can support multiple DRM solutions
Interfaces	
Video	
High-Definition TV	HDMI with HDCP support,component video (Y Pb Pr)
Standard-Definition TV	S-video, composite video (two sets), channel 3/4 RF remod
Video codecs (advanced compression)	MPEG-2, MPEG-4 (H.264), VC-1
Audio	
AAC MPEG-1 (MP3), Dolby AC3	Optical S/PDIF, L/R RCA stereo audio connectors (2 pairs)
Other	
IR receiver for remote	Standard
USB	Version 2.0 (one in front, one in back)
Ethernet	10/100Base-T Ethernet/RJ-45
Home Networking over Coax using HPNA	
Power input	External power supply
Hard disk drive	Built in
SOFTWARE	
Streaming protocols	RTSP, RTP
Software upgrade	Remote software download/upgrade
Copy protection	Macrovision Rev. 7.01, HDCP
User interface	Advanced Electronic Programming Guide (EPG)
HARDWARE	
Size	12 in (30.48 cm) x 11 in (27.94 cm) x 2.75 in (6.99 cm)
Weight	6 to 6.5 lbs (2.72 to 2.95 kgs)
Processor/Memory	
CPU	400+ DMIPS
DRAM	128 MB standard unified
Video resolution	NTSC: 480i, 480p High Definition: 720p, 1080i
Operating Requirements	
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating humidity	8% to 95% (noncondensing)
Power supply	
AC voltage	95 to 130 VAC
DC input	12 VDC
Power consumption	42 W max.
REGULATORY	UL, FCC Part 15, CSA, IC
LIMITED WARRANTY	1 Year

• Specifications subject to change without notice.

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