



VIP1216

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



High Definition and Standard Definition Video Decoding

Highlights Include:

- Integrated hard disk drive (HDD) for DVR functionality with watch-and-record capabilities
- 160 GB Hard Disk Drive
- Supports feature-rich applications and graphics
- Supports digital TV functionality, including electronic program guide (EPG), video on demand (VoD), and Multicast TV
- Support for secure Digital Rights Management (DRM) with integrated Secure Processor
- High-Definition Multi-media Interface (HDMI) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- Supports multiple IR protocols
- Two-way IP data communication
- System-on-chip (SoC) 400+ DMIPS processor
- 128-256 MB DRAM, depending on customer and middleware requirements
- 32 MB Flash memory
- Industry-standard video, audio, and data outputs (see "Technical Specifications" for details)
- Dolby® Digital AC3 and AAC digital audio
- Macrovision® and CGMS-A analog copy protection schemes

- Digital video scaling and hardware support for Picture-in-Picture
- Embedded IP networking over coaxial cable using HPNA v.3
- MPEG-4 AVC (H.264), MPEG-2 and VC-1 video codecs

For more information regarding any of these features contact your Motorola sales representative.

This compact, superior television IP set-top, with built-in hard disk drive for DVR functionality, decodes high definition (HD) and standard definition (SD) high-quality digital video.

Its two-way IP capability allows it to be used in multiple applications, including broadcast TV, time-shifted TV, multicast TV and VoD. It supports multiple middleware and DRM software solutions and is fully compliant with Microsoft® Mediaroom™, Alcatel Media Manager and Motorola's KreaTV™ Open Software Application Platform.

The VIP1216 includes a high-end microprocessor and enhanced graphics to decode HD and SD digital TV, as well as output high-quality surround sound audio.

SPECIFICATION SHEET

VIP1216

TECHNICAL SPECIFICATIONS		Middleware	
Video Interfaces		Microsoft:	Mediaroom middleware
High definition TV:	HDMI with HDCP support Component video (Y Pb Pr)	KreaTV:	Open platform supports multiple middleware solutions
Standard definition TV:	S-Video, Composite video (2 sets), channel 3/4 RF remod	Security	
Video codecs:	MPEG-2, MPEG-4 AVC (H.264), VC-1	Microsoft:	Mediaroom DRM
Audio		KreaTV:	Open platform supports multiple DRM solutions
Audio Interfaces:	Optical S/PDIF, L/R RCA stereo audio connectors (2 pairs)	Processing	
Audio Codecs:	Dolby Digital, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC	CPU:	400+DMIPS
Other Interfaces		DRAM:	128 MB standard expandable to 256 MB
IR receiver for remote:	RC5, RCMM and NEC protocols	Flash:	32 MB
USB:	2.0 (front and back panel)	Physical	
Ethernet:	10/100Base-T Ethernet/RJ-45	Width:	12" (30.48cm)
Power input:	External power supply	Depth:	11" (27.94cm)
Hard disk drive:	160 GB built-in HDD	Height:	2.75" (6.99cm)
Home Networking over Coax using HPNA		Weight:	6-6.5 lb (2.72-2.95 kg)
Software		Power:	95-130 VAC, 12 VDC
Operating system:	Windows® CE version 5.0, LINUX®	Power consumption:	30 W max.
Streaming protocols:	RTSP, RTP/RTCP	Temperature:	0C to 40C (32F to 104F)
Software upgrade:	Remote software download/upgrade	Humidity:	8% to 95% (noncondensing)
Copy protection:	Macrovision 7.1, CGMS-A, HDCP	Other	
User interface:	Electronic Programming Guide (EPG)	Limited warranty:	One year
Video Resolution		Compliance:	UL, FCC Part 15, CSA and IC
NTSC:	480i, 480p		
High definition:	720p, 1080i		



MOTOROLA

Motorola, Inc. Home & Networks Mobility
 6450 Sequence Drive, San Diego, California 92121 U.S.A.
www.motorola.com/ipvideo 858-404-1500

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. Microsoft, Windows are registered trademarks of Microsoft Corporation. Dolby Digital is a registered trademark of Dolby Laboratories; Dolby Digital is manufactured under license from Dolby Laboratories. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. All other product or service names are the property of their registered owners. © Motorola, Inc. 2008 All rights reserved. Features and functions subject to change without notice. 5681-f-0808-0K