



VIP1616T

High Definition DVB-T/IP Dual DTT Tuner Hybrid Video Set-Top with Digital Video Recording (DVR)



High Definition and Standard Definition Video Decoding

Highlights Include:

- Integrated 160 GB hard disk drive (HDD) for DVR functionality with watch-and-record capabilities
- Supports feature-rich applications and graphics
- Supports digital TV functionality, including electronic program guide (EPG), video on demand (VoD), and Multicast TV
- Record one program while watching another
- Support for Terrestrial TV (DVB-T)
- Dual DTT (DVB-T) video tuners for watch-and-record DVR services
- 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
- 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
- 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 hybrid DVB-T/IP set-top, with built-in hard disk drive for DVR functionality and dual DTT tuners, 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, VoD, and it is fully compliant with Microsoft® Mediaroom™.

The VIP1616T includes a high-end system-on-chip processor and enhanced graphics to decode HD and SD digital TV, as well as output of high-quality surround sound audio. It also features expanded memory and a full range of audio/visual inputs and outputs.

SPECIFICATION SHEET

VIP1616T

TECHNICAL SPECIFICATIONS		Video Resolution	
Video Interfaces		NTSC:	480i, 480p
High definition TV:	HDMI with HDCP support	PAL:	576i, 576p
Standard definition TV:	S-Video, Composite video, SCART, DTT Antenna input	High definition:	720p, 1080i
Video codecs:	MPEG-2, MPEG-4 AVC (H.264), VC-1	Middleware	
Audio		Microsoft Mediaroom	
Audio Interfaces:	Optical and electrical S/PDIF L/R RCA stereo audio connectors (2 pairs)	Security	
Audio Codecs:	Dolby Digital, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC	Microsoft Mediaroom	
Other Interfaces		Processing	
IR receiver for remote:	RC5, RCMM, NEC and RSTEP protocols	CPU:	400+DMIPS
USB:	2.0 (front and back panel)	DRAM:	128 MB standard expandable to 256 MB
SmartCard:	Two (front panel)	Flash:	Optional
Ethernet:	10/100Base-T Ethernet/RJ-45	Physical	
Power input:	External power supply	Width:	34.8cm (13.7")
Hard disk drive:	160 GB built-in HDD	Depth:	27.5cm (10.83")
Software		Height:	7.0cm (2.75")
Operating system:	Windows® CE version 5.0	Weight:	4.40 kg (9.7 lbs)
Streaming protocols:	RTSP, RTP/RTCP	Power:	200-240 VAC, 12 VDC
Software upgrade:	Remote software download/upgrade	Power consumption:	42 W max.
Copy protection:	Macrovision 7.1, CGMS-A, HDCP	Temperature:	0C to 40C (32F to 104F)
User interface:	Electronic Programming Guide (EPG)	Humidity:	8% to 95% (noncondensing)
		Other	
		Limited warranty:	Two years
		Compliance:	UL, CE, SABS, RoHS, EN60950, EN55022, EN55024

**MOTOROLA**

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