

## 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
- Supports feature-rich applications and graphics
- Supports digital TV functionality, including electronic program guide (EPG), video on demand (VoD), multicast and DVR
- Record one program while watching another
- Support for Terrestrial TV (DVB-T)

## FEATURES

- High-Definition and Standard-Definition television decoding
- Support for Digital Rights Management (DRM)
- High-Definition Multi-media Interface (HDMI) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- Dual DTT (DVB-T) video tuners for watch-and-record DVR services
- IR remote receiver
- Two-way IP data communication
- System-on-chip 400+ DMIPS processor
- 128 MB DRAM
- 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
- Hardware-based (SoC) video decoding: MPEG-4 AVC (H.264), VC-1, and MPEG-2

# VIP1616T

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



The Motorola VIP1616T is a superior, high definition hybrid DVB-T/IP set-top with dual DTT tuners, digital video recording (DVR), and the incredible picture quality and sound of your high-definition television (HDTV). The VIP1616T also supports standard-definition high-quality digital video. 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® IPTVe.

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

## TECHNICAL SPECIFICATIONS

<b>MIDDLEWARE</b>	Full support for Microsoft IPTV Edition Middleware solution
<b>SECURITY</b>	Full support for Microsoft's DRM solution
<b>INTERFACES</b>	
<b>Video</b>	
High-Definition TV	HDMI with HDCP support
Standard-Definition TV	S-video, Composite video, DTT Antenna input, SCART
Video codecs (advanced compression)	MPEG-2, MPEG-4 (H.264), VC-1
<b>Audio</b>	
AAC, MPEG-1 (MP3), Dolby AC3	Optical and Electrical S/PDIF, Left/Right Audio (RCA connectors)
<b>Other</b>	
IR receiver for remote	Standard
USB	Two (1 front panel Version 1.1 and 1 back panel Version 2.0)
Ethernet	10/100Base-T Ethernet/RJ-45
Power input	External power supply
Hard disk drive	Built-in 160 GB HDD standard (VIP1608T model with 80 GB HDD and VIP1625T with 250 GB HDD versions also available)
<b>OPERATING SYSTEM</b>	Windows® CE version 5.0
<b>SOFTWARE</b>	
Streaming protocols	RTSP, RTP
Software upgrade	Remote software download/upgrade
Copy protection	Macrovision® Rev. 7.1, HDCP
User interface	Microsoft IPTV Edition User Interface
<b>HARDWARE</b>	
Size	34.8 cm (13.7 in.) x 27.5 cm (10.83 in.) x 7.0 cm (2.75 in.)
Weight	4.40 kg (9.7 lbs)
<b>Processor/Memory</b>	
CPU	400+ DMIPS
DRAM	128 MB standard unified
<b>Video resolution</b>	480i, 480p, 576i, 576p, 720p, 1080i
<b>Operating Requirements</b>	
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating humidity	8% to 95% (noncondensing)
<b>Power supply</b>	
AC voltage	200 to 240 VAC
DC input	12 V
Power consumption	24 W max.
<b>REGULATORY</b>	UL, CE, SABS, RoHS, EN60950, EN55022, EN55024
<b>LIMITED PRODUCT WARRANTY</b>	Two years



Back Panel layout is preliminary and subject to change.



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Features and functions subject to change without notice.

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