



VIP1216 (European Version)

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



High Definition and Standard Definition Television 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
- Client support for whole-home DVR stream from VIPs with integrated hard disk drive
- Support for 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 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™.

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

VIP1216E

| TECHNICAL SPECIFICATIONS | | Middleware | |
|--------------------------|---|---------------------|---|
| Video Interfaces | | Microsoft Mediaroom | |
| High definition TV: | HDMI with HDCP support | Security | |
| Standard definition TV: | S-Video, Composite video, SCART | Microsoft Mediaroom | |
| Video codecs: | MPEG-2, MPEG-4 AVC (H.264), VC-1 | Processing | |
| Audio | | CPU: | 400+DMIPS |
| Audio interfaces: | Optical S/PDIF, L/R RCA stereo audio connectors (2 pairs) | DRAM: | 128 MB standard expandable to 256 MB |
| Audio codecs: | Dolby Digital, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC | Flash: | Optional |
| Other Interfaces | | Physical | |
| IR receiver for remote: | RC5, RCMM, NEC and RSTEP protocols | Width: | 30.48cm (12") |
| USB: | 2.0 (front panel) | Depth: | 27.94cm (11") |
| Ethernet: | 10/100Base-T Ethernet/RJ-45 | Height: | 6.99cm (2.75") |
| Power input: | External power supply | Weight: | 4.38 kg (9.65 lb) |
| Hard disk drive: | Built-in 160GB HDD standard (80GB and 250GB HDD versions available) | Power: | AC 200 to 240 VAC DC 12 V |
| Software | | Power consumption: | 30 W max. |
| Operating system: | Windows® CE version 5.0 | Temperature: | 0C to 40C (32F to 104F) |
| Streaming protocols: | RTSP, RTP/RTCP | Humidity: | 8% to 95% (noncondensing) |
| Software upgrade: | Remote software download/upgrade | Other | |
| Copy protection: | Macrovision 7.1, CGMS-A, HDCP | Limited warranty: | Two years |
| User interface: | Electronic Programming Guide (EPG) | Compliance: | UL, CE, SABS, RoHS, EN60950, EN55022, EN55024 |
| Video Resolution | | | |
| NTSC: | 480i, 480p | | |
| PAL: | 576i, 576p | | |
| High definition: | 720p, 1080i | | |



MOTOROLA

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