VIP1003

Motorola Advanced IP High-Definition Set-top

Strengthen your IP Video Leadership – Count on Motorola's VIP1003 to help you deliver innovative, advanced IP HDTV experiences to your customers.

Highlights

Easy to use and install

- Connects to high definition or standard definition TVs

- Offers superior high definition video and all digital sound quality

- Supports Standard Definition and High Definition (SD/HD) high-quality digital video

- Supports digital surround audio

The VIP1003 is a compact, cost-effective, superior HDTV IP set-top for single set-top deployments. It is also the perfect second/third set-top for multi-room deployments. The Motorola VIP1003 allows operators to expand their subscriber base, increase customer satisfaction, and grow their average revenue per user by offering their consumers rich home entertainment experiences with crystal clear HD picture and surround sound. The set-top provides the flexibility of watching on-demand services whenever they want.

The VIP1003 is part of Motorola's comprehensive, secure, flexible, reliable, scalable, and open end-to-end IPTV Solution Suite. This enables operators to effectively compete with traditional TV broadcasters while bringing down the cost of delivering compelling next-gen HD IP video experiences. With deployment of the VIP1003, operators will retain high-value customers and grow their subscriber base, increase average revenue per user (ARPU), lower capital spending, all while improving customer loyalty and retention. In addition to providing a cost-effective single set-top solution, the VIP1003 is also a cost-effective second or third set-top solution for multi-room applications.

With the VIP1003, Motorola redefines the IP Video experience, enabling operators to accelerate their time to revenue, while providing their subscribers with a quality, next-generation IPTV.

The VIP1003 allows operators to deliver a myriad of differentiated offerings meeting the growing consumer demand for personalized video content and delivery options, while balancing the operator's need to closely manage their capital investment and operating expenses.

The VIP1003 offers subscribers the latest advanced IPTV experiences and features, including,

Capabilities:

- Digital TV functionality—high-quality broadcast TV and interactive electronic program guide (EPG)

- Two-way IP capabilities to support multiple interactive TV applications, such as Video/TV on demand, nPVR with time shift, and catch-up TV

- Feature-rich interactive applications and graphics such as Flicker, RSS news feed, and home networking (DLNA)

- Digital video scaling and hardware support for picture-in-picture

Features:

- STi705 high-end system-on-a-chip (SoC) single 450 MHz 800+ DMIPS microprocessor with enhanced graphics to decode HD and SD digital TV and output high-quality surround sound audio

- High–performing capabilities:
  - Two-way IP data communication
  - 256 MB DRAM
  - 64 MB Flash memory

- Industry-standard audio, video, and data inputs / outputs
  - Rear panel interfaces include Ethernet, USB, SCART, HDMI™ and electrical S/PDIF
  - Front panel interfaces include status LED and IR receiver

More Highlights

- Interactive IP set-top - supports multiple feature rich advanced applications and graphics like Electronic Program Guides (EPG), Multicast TV and Video-On-Demand (VOD)
- Support for secure Digital Rights Management (DRM) and conditional access systems with integrated Secure Processor
- Supports High-Definition Multimedia Interface™ (HDMI) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- Secure - Rovi® and CGMS-A analog copy protection schemes
- Supports multiple video codecs for optimum deployment flexibility - MPEG-4 (H.264) , MPEG-2 and WMV9
- Environmentally friendly - CoC v8 compliant, RoHS and WEEE compliant

The VIP1003 is powered by the Motorola KreaTV™ application platform. KreaTV uses the Linux kernel and provides open, well-defined APIs for application development and customizations. The KreaTV Software Developer's Kit (SDK) offers operators, as well as third party integrators, a fast track to high-quality, revenue-generating digital TV offerings as well as value-added services combining TV and Internet media. KreaTV is integrated with leading VOD, middleware, and conditional access systems.

KreaTV™ highlights:

- High-performance Graphics
- Powerful UI engines (HTML or SVG)
- DLNA support for media sharing and connected home features
- Efficient Web browser (WebKit)
- Support for a variety of codecs and media formats
- Integrated tools for QoS and monitoring

As a global leader in IPTV solutions, Motorola offers service providers quick time-to-revenue IPTV deployments with flexible service/content packages for consumers, new billing options, and end-user personalization. At the same time, Motorola's IPTV software and services portfolio increases an operator's ability to differentiate and personalize offerings across multiple media, generating new revenue opportunities and improving the customer care system.

The VIP1003/VIP19x3 Series Set-top Family

This product comparison matrix summarizes the VIP1003/VIP19x3 platform hardware architecture. The models in these series run the same software and can co-exist on the same network, enabling service providers to maximize their capital investment, while deploying flexible market segmentation.

Model	VIP1003	VIP1903	VIP1903T	VIP1963	VIP1963T
Type	Low cost IP	IP	IP/DVB-T	IP with HDD	IP/DVB-T with HDD
Region	EU	EU	EU	EU	EU
RAM	256 MB	256 MB	256 MB	256 MB	256 MB
Applications FLASH	64 MB	64 MB	64 MB	64 MB	64 MB
Tuner			1 DVB-T		2 DVB-T
HDD				160/320 GB	160/320 GB
HDMI	1	1	1	1	1
SCART	1	2	2	2	2
Component (Y/Pb/Pr)		1	1	1	1
RGB	**	*	*	*	*
S-video		*	*	*	*
CVBS	**	**	**	**	**
Audio R+L	**	1	1	1	1
TOSLINK		1	1	1	1
S/PDIF	1	1	1	1	1
USB 2.0	1	2	2	2	2
Smart Card interface		Optional	Optional	Optional	Optional
Display and Keys		Optional	Optional	Optional	Optional

* Available in TV SCART
** Available in SCART

ECOMOTO™

In addition to delivering high-quality digital video products to its customers, Motorola is also committed to helping its customers reduce their environmental footprint. We approach this in several ways: improving the environmental profile of our products, running our operations in a safe and energy-efficient manner and helping our customers to be greener when they use our products.

Motorola's VIP Series set-tops help service providers lower their energy consumption, thereby helping them reduce their carbon footprint. Motorola has a global commitment to be part of the solution to climate change, and has worked for years to continually improve our environmental profile. We are in step with our customers and their increasing interest in partnering with a company that helps them reduce their environmental impact, while offering compelling products to help them grow their eco-conscious customer base.

Motorola is working to make products with a reduced environmental impact. In the development of our next-generation VIP series set-tops, we have focused on energy efficiency, lead-free manufacturing, and packaging / recycling enhancements. Depending on models and market, our units are compliant with European Code of Conduct regulations. In addition, the devices and power supplies are lead-free and RoHS compliant. Finally, all new VIP set-tops use environmentally friendly package designs. They are available in single bulk pack boxes that eliminate the use of suspension plastic and reduce box size, thereby reducing waste and transport costs. Motorola's VIP set-top packaging is 100% recyclable and is marked with standard recycling codes to make it easier for our customers to identify recycling opportunities.

Specifications

VIDEO INTERFACES
High definition TV:	HDMI with HDCP v1.2
Standard definition TV:	SCART with RGB and CVBS output
Video Codecs:	MPEG-2, MPEG-4 AVC (H.264), VC-1, WMV9

AUDIO
Audio Interfaces:	Electrical S/PDIF, L/R analog stereo through SCART
Audio Codecs:	Dolby® Digital, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC

OTHER INTERFACES
IR receiver for remote:	36 kHz
USB:	2.0 (rear panel)
Ethernet:	10/100Base-T Ethernet (RJ-45)
Power input:	12 VDC, 1A

SOFTWARE
KreaTV application platform
Operating system:	Linux® 2.6
Software upgrade:	Remote software download/upgrade
Copy protection:	Rovi 7.01, CGMS-A, HDCP v1.2
User interface:	HTML/SVG UI engine

VIDEO RESOLUTION
NTSC:	480i, 480p
PAL:	576i, 576p
High definition:	720p, 1080i, 1080p

PROCESSING
CPU:	450 MHz 800+ DMIPS
DRAM:	256 MB
Flash:	64 MB

MIDDLEWARE
KreaTV:	Open platform supports multiple middleware solutions

SECURITY
KreaTV:	Open platform supports multiple DRM/CA solutions Advanced secure chipset with PKI/secure boot

ACCESSORIES
NYX™:	Standard remote control
MRCU180 (optional):	Multi-unit remote control
MKB22 (optional):	Keyboard
USB120IR (optional):	IR Extender

PHYSICAL
Dimensions:	165 mm x 130 mm x 35 mm (WxDxH)
Weight:	300 g
Power:	100-240 VAC, 50/60Hz in, 12 VDC 1A out
Power consumption:	Max 5.5 W
Operating Temperature:	0 °C to 45 °C (32 °F to 113 °F)
Operating Humidity:	8% to 95% (non-condensing)

OTHER
Limited warranty	Two years
Compliance	RoHS, CE, WEEE and CoC v8

Some features and codecs are dependent on software version and/or involve additional license fees.

Specifications subject to change without notice.

Compliant with the European Commission Code of Conduct (CoC) v8

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Pb-free

RoHS COMPLIANT

MOTOROLA

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