

VIP1853

A COST-EFFECTIVE AND ENVIRONMENTALLY FRIENDLY, HIGH-DEFINITION SET-TOP WITH DVR MODULE.

Broaden your market and improve your results with our attractive, easy to use digital set-top. The Motorola VIP1853 has a sleek, compact design and an array of features that will intrigue the avid user, and the simplicity that will attract the novice. The VIP1853 is the newest member of the VIP product family. With its compact design, it is a cost-effective IP set-top with a user-installed DVR Module. It shares the system platform of VIP19x3 and VIP1003, will run the same software and have the same basic performance.

Product Overview

The VIP1853 has a compact size and shape and a unique set of features. The optional DVR Module means you can generate additional revenues since your customer pays for both the DVR Module itself as well as the DVR license fee. This solution gives service providers the flexibility to meet the demands of a broad customer base while using the same hardware and software. Users can install the DVR Module themselves – it's as easy as snapping in a couple of new batteries in the remote. The DVR Module connects directly to the bottom of the set-top box - no cables needed, no additional service calls required.

By removing some of the less used features and putting the electronics in a small and very efficient mechanical design, a very cost efficient design has been achieved. However, the performance of the VIP1853 still matches the very high performance of the VIP19x3 series. With its small size and low weight the VIP1853 has very low power consumption thereby minimizing the environmental impact. In addition, Motorola's DVR Module utilizing a 2.5" HDD gives the customer less noise and lower power consumption than with a regular hard drive.



Highlights

- Small, compact size
- Low noise
- Low cost, flexible features and design
- Optional, user installed, DVR Module of 160/320/500 GB, including timeshifting with trick play and scheduled recordings
- Optional, user installed, TS Module of 4 or 8 GB for timeshifting
- 3D TV Capabilities
- A high-end system-on-a-chip (SoC) of 540 MHz 1000 DMIPS microprocessor
- Equal in performance to the VIP19x3 and VIP1003
- Top side - combined illuminated dual color standby switch and status indicator
- Optional - display and touch controls
- Environmental impact is minimized**
- Less material used
- Very low power consumption

The VIP1xx3 Series Set-top Family

This product comparison matrix summarizes the VIP1003/VIP1853/VIP19x3 platform hardware architecture. The models in these series run the same software (KreaTV™) and can co-exist on the same network, enabling service providers to maximize their capital investment, while covering a wider market.

	VIP1003	VIP1853	VIP19x3
Type	Low cost IP	Low cost IP with DVR capabilities	IP with HDD
RAM	256MB	256 MB (512 MB optional)	256 MB (512 MB optional)
Application FLASH	64MB	64MB	64MB
SCART	1	1	2
HDMI™	Yes	Yes	Yes
Component	No	No	Yes (not on VIP19x3C)
RGB	In SCART	In SCART	In SCART
S-Video	No	In SCART	In TV SCART
CVBS	In SCART	In SCART	In SCART
Analog audio	No	Yes, 3.5 mm	Yes, 2xRCA
Digital audio	S/PDIF	Toslink	S/PDIF and Toslink
USB	1	1	2
DC power switch (rear)	No	Yes	No
Standby switch	No	Yes	Yes, with DB option
HDD	No	DVR module 160/320/500GB	2.5" internal 160/320GB (VIP1963)
Display	No	Optional 4 dig/7 segm LED (DB) or graphical OLED (ODB)	Optional 4 char/14 segm LED (DB)
Control keys	No	Optional (DB, ODB) 9 touch	Optional (DB) Up to 10 touch
Smartcard interface	No	No	Optional (SC)
DVB-T tuner (hybrid)	No	No	1 (VIP1903T) 2 (VIP1963T)
DVB-C tuner (hybrid)	No	No	1 (VIP1903C) 2 (VIP1963C)

Specifications

PROCESSING

CPU:	540MHz 1000+DMIPS
DRAM:	256MB (optional 512MB)
Flash:	64MB

VIDEO RESOLUTION

PAL:	576i, 576p
High definition:	720p, 1080i, 1080p

VIDEO INTERFACES

HDMI™ with HDCP	
SCART with RGB, CVBS and S-Video output	
Video codecs:	MPEG-2, MPEG-4 AVC (H.264), other codecs on request

AUDIO INTERFACES

Digital audio:	Optical (Toslink)
Analog audio:	3.5mm connector
Audio codecs:	Dolby® Digital, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC, other codecs on request

OTHER INTERFACES

IR receiver for remote:	36kHz
USB:	One USB 2.0 connector (rear panel)
Ethernet:	10/100Base-T Ethernet (RJ-45)
Power input:	12VDC, 1A
Display and Buttons:	Four digit numeric LED display and up to nine touch keys (top side)
DVR capabilities:	Motorola DVR Module interface

SOFTWARE

KreaTV™ application platform	4.2 or later
Operating system:	Linux® 2.6
Software upgrade:	Remote software download/upgrade
Copy protection:	Rovi 7.01, CGMS-A, HDCP v1.2

PHYSICAL

Dimensions:	190x130x41mm (WxDxH)
Weight:	400-500g (including DVR Module)
Power:	External power supply 100-240 VAC, 50/60Hz in, 12V 1A out
Power consumption:	5.4W with DB option
DVR module option adds:	~2.8W
Operating temperature:	0°C to 40°C (32°F to 104°F)
Operating humidity:	8% to 95% (non-condensing)

ACCESSORIES

NYX:	Standard remote control
MRCU180 (optional):	Multi-unit remote control
MKB22(optional):	Keyboard
NYXboard(optional):	Multi-unit remote control and keyboard
USB120IR (optional):	IR extender
Motorola DVR Module (optional):	DVR Module of 160/320/500GB

MISCELLANEOUS

Limited warranty:	Two years
Compliance:	RoHS, CE and WEEE

Specifications are subject to change without notice.

