

VIP1002E

ARRIS IP High-Definition Set-top



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
- Dolby® Digital AC3 and AAC digital audio
- Interactive IP set-top — supports multiple feature rich advanced applications and graphics like Electronic Program Guides (EPG), Multicast TV, and Video-On-Demand (VOD)
- Digital video scaling and hardware support for picture-in-picture
- Supports secure Digital Rights Management (DRM) with integrated Secure Processor
- Supports High-Definition Multimedia Interface™ (HDMI™) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- Supports multiple IR protocols — Universal Remote Control friendly
- Secure — Rovi® and CGMS-A analog copy protection schemes
- Supports multiple video codecs for optimum deployment flexibility, including MPEG-4 AVC (H.264), MPEG-2, and VC-1
- Environmentally friendly — ENERGY STAR® Tier 1 qualified, As a signatory to the VIA June-2013 Agreement, the ARRIS VIP STB meets the Ecodesign Directive 2009/125/EC. and RoHS compliant

PRODUCT OVERVIEW:

The ARRIS VIP1002E is a compact HDTV set-top that delivers rich home entertainment experiences with crystal-clear HD picture and surround sound. ARRIS IPTV Solution Suite is a secure, flexible, reliable, and scalable solution. By offering the VIP1002E, service providers can strengthen their position in the competitive marketplace.

Increase Customer Satisfaction

The VIP1002E has a full range of home entertainment options, so your customers will enjoy features such as watching on-demand video whenever they want. Customers will experience crystal-clear HDTV and amazing surround sound with integrated award-winning Dolby® Digital audio.

Grow and Retain High-Value Customers

The VIP1002E supports the latest high-definition IP video software. It is Ericsson Mediaroom™ and KreaTV™ certified, delivering cost-effective IPTV with instantaneous channel changes, easy-to-use and easy-to-understand interactive program guides, and advanced services that include VOD, multiple picture-in-picture capabilities, media sharing, and parental control.

Lower Capital Spending

The VIP1002E is a cost-effective set-top option, making it a great choice when customers want to add TVs into other rooms in the household. The VIP1002E allows operators to offer the following innovative features:

- With Mediaroom™ or KreaTV™, the TV can connect and share content across any device in any format at any time, creating a “connected home”.
- By implementing techniques such as Instant Channel Changing (ICC), consistency in channel changing performance and the quality of the broadcast stream has been ensured.

Increase the Average Revenue per User

The VIP1002E enables operators to deliver differentiated offerings that meet the growing consumer demand for personalized video content and delivery options while balancing the operators need to closely manage their capital investment and operating expenses.

The VIP1002E offers subscribers the latest advanced IPTV capabilities and features.

Capabilities:

- Two-way IP capabilities to support multiple interactive applications, such as broadcast TV, time-shifted TV, and multicast
- Feature-rich interactive applications and graphics
- Digital TV functionality, including interactive electronic program guide (EPG) and video-on-demand (VOD)
- Digital video scaling and hardware support for picture-in-picture

Features:

- A high-end system-on-a-chip (SoC) 1000 DMIPS microprocessor and enhanced graphics to decode HD and SD digital TV and output high-quality surround sound audio
- High-performing capabilities:
 - Two-way IP data communications
 - 256 MB DRAM (optional up to 512 MB)
 - 128 MB Flash memory standard
- Sub-1W low power standby mode
- Extended memory and a full range of industry-standard audio, video, and data inputs/outputs:
 - Rear panel interfaces include Ethernet, USB 2.0, S/PDIF, single SCART, HDMI™ v1.3. and Power Switch, optional eSATA
 - Front panel interfaces include Status LEDs and IR port for Remote Control



As a global leader in IPTV solutions, ARRIS offers service providers quick time-to-revenue IPTV deployments with flexible service/content packages, new billing options, and end-user personalization. The ARRIS 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.

GENERAL SPECIFICATIONS	
Video Interfaces	
High-definition TV	HDMI with HDCP
Standard-definition TV	Composite video through SCART
Video Codecs	MPEG-2, MPEG-4 AVC (H.264), VC-1
Audio	
Audio Interfaces	Coax S/PDIF
Audio Codecs	Dolby Digital, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC
Other Interfaces	
IR receiver for remote	RC5, RCMM, RSTEP and NEC protocols
USB	2.0
Ethernet	10/100Base-T Ethernet (RJ-45)
Power input	External power supply
Power Switch	Optional
Single SCART	Optional
Software	
Operating system	Windows® CE version 5.0, LINUX® version 2.6.x
Streaming protocols	RTSP, RTP/RTCP
Software upgrade	Remote software download/upgrade
Copy protection	Rovi 7.1, CGMS-A, HDCP
User interface	Electronic Programming Guide (EPG)
PlayAssure	(Optional embedded PlayAssure set-top and network test and diagnostic tool support. Factory installed and field upgradable)
Video Resolution	
PAL	576i, 576p
High definition	720p, 1080i, 1080p
Processing	
CPU	1,000 DMIPS
DRAM	256 MB standard (supports up to 512 MB)
Flash	128 MB (standard)
1W Mode Standard	Sub-1watt low power standby mode (supports voluntary EU Directive 1275/2008)

GENERAL SPECIFICATIONS (continued)	
Middleware	
Ericsson	Mediaroom middleware
KreaTV	Open platform supports multiple middleware solutions
Security	
Microsoft	Mediaroom DRM
KreaTV	Open platform supports multiple DRM solutions
Physical	
Dimensions	1.5 in H x 6.5 in W x 5.2 in D (3.8cm x 16.5cm x 13.2cm)
Weight	0.7 lb (0.3 kg)
Power	200 to 240 VAC, 12 VDC
Power consumption	10 W max.
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Operating Humidity	8% to 95% (non-condensing)
Other	
Limited warranty	Two years
Compliance	UL listed (U.S. and Canada),SABS, EN60950, EN55022,EN55024, ENERGY STAR v1, FCC Part 15, CSA, RoHS, CE As a signatory to the VIA June-2013 Agreement, the ARRIS VIP STB meets the Ecodesign Directive 2009/125/EC.
** Actual throughput will be lower and vary depending on the application and network environment.	



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