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VIP2100 SERIES

IP HIGH-DEFINITION SET-TOP

ARRIS™

Features

- Easy to use and install
- Connects to high-definition or standard-definition TVs
- Supports Standard Definition and High Definition (SD/HD) high-quality digital video
- Superior, all-digital sound quality
- Supports secure Digital Rights Management (DRM) with integrated Secure Processor
- Supports High-Definition Multimedia Interface™ (HDMI™) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- CGMS-A analog copy protection schemes
- Compatible with Universal IR Remote Controls
- Supports multiple video codecs — including MPEG-4 AVC (H.264), MPEG-2, and VC-1 — for optimum deployment flexibility

The ARRIS VIP2100 Series helps you deliver innovative IP experiences to your customers.

Product Overview

The ARRIS VIP2100 Series of High-Definition IP set-tops lets you satisfy today's growing demand for feature-rich, interactive video viewing experiences. The VIP2100 Series's two-way IP capabilities support the advanced, interactive IP video applications your subscribers want, from Electronic Program Guides (EPG) to advanced digital TV functionality like Video On-demand (VOD), multiple picture-in-picture capabilities, and time-shifted TV.

The VIP2100 Series is part of the ARRIS comprehensive IPTV Solution Suite, which enables telco operators to effectively compete with incumbent video operators—and, at the same time, reduces the cost of delivering compelling, next-generation HD IP video experiences to their subscribers. Using the VIP2100 Series, you can deliver differentiated offerings that meet the growing consumer demand for personalized video content and delivery options, while also managing your capital investment and operating expenses.

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VIP2100 Series ARRIS IP High-Definition Set-top

MotoPLYR

The VIP2100 Series features factory-installed MotoPLYR, our sophisticated diagnostic and test utility. MotoPLYR enables your Operations and Customer Care teams to perform a wide range of on-site troubleshooting and diagnostics evaluations, including:

- VIP2100 Series set-tops
- The subscriber's home network
- The network back to the critical headend servers, as well as the TV
- The subscribers' home theater setup in the living room.

MotoPLYR is simple to use, so your Operations and Customer Care teams can quickly isolate set-top, home-network, and/or IPTV service problems. The result is a cost-effective customer care solution that adds value to your IPTV services.

Highlights

- A Broadcom 7406 system-on-chip (SoC), 2x400MHz, 1,100 DMIPS microprocessor and enhanced graphics decodes HD and SD digital TV and outputs high-quality surround sound audio
- 256MB DRAM
- 64MB NOR + 32MB NAND Flash memory
  (Higher Flash Memory Configurations Available.)
- A full range of standard audio, video, and data inputs/outputs
  - Rear Panel Interfaces include Ethernet, Composite Video, L/R Audio, Optical S/PDIF, HDMI v1.3, HPNA v3.1, and Power
  - Front Panel Interfaces include Power, Status LEDs, Control Buttons, IR receiver for Remote Control, and USB 2.0 port

VIP2100 Series ARRIS IP High-Definition Set-top

SPECIFICATIONS

VIDEO INTERFACES

High-Definition TV	HDMI with HDCP support, Component video (Y Pb Pr)
Standard-Definition TV	RCA composite video or SCART

AUDIO

Audio Interfaces	Optical S/PDIF, L/R RCA stereo audio connectors (1 pair)

OTHER INTERFACES

IR receiver for remote	RCMM, RC5, or RSTEP
USB	2.0 (front)
Ethernet	10/100Base-T Ethernet (RJ-45)
Power input	External power supply

NETWORKING

Home networking	HPNA (optional)

SOFTWARE

Operating system	Windows® CE version 5.0
Streaming protocols	RTSP, RTP/RTCP
Software upgrade	Remote software download/upgrade
Copy protection	CGMS-A, HDCP
User interface	Electronic Programming Guide (EPG)
MotoPLYR	Embedded MotoPLYR set-top and network test and diagnostic tool support. Factory installed and upgradable in the field

VIDEO RESOLUTION

NTSC/PAL	480i, 480p (NTSC), 576i (PAL
High-definition	720p, 1080i, 1080p

PROCESSING

CPU	Broadcom 7406 system-on-chip, 2x400MHz, 1,100 DMIPS
DRAM	256 MB standard
Flash	Up to 64MB (nDVR), 4MB (DVR) (Higher memory configurations available)

MIDDLEWARE

Microsoft®	Mediaroom™ middleware

SECURITY

Microsoft	Mediaroom™ DRM

PHYSICAL

Dimensions	229mm W x 150mm D x 35mm H (39mm w/feet) 9.02 in W x 5.91in D x 1.38 in H (1.54 in w/feet)
Weight	1.06 lbs; top assembly weight (incl. carton and all inserts) 2.09lbs
Power	95 to 130 VAC, 12 VDC
Power supply rating	18W max.
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Operating Humidity	8% to 95% (non-condensing)

OTHER

Limited warranty	One year
Compliance	UL listed (U.S. and Canada), CE, RoHS, CoC, Energy Star v.3.0, FCC Part 15

Rear Panel (RCA connectors)

Rear Panel (SCART connector)

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