ARRIS®

ZS4210 / ZS4100 Zapper Satellite Set-Top

DVB-S2, HEVC, HD Set-Top with optional 802.11n Wi-Fi

FEATURES

- High-definition small-form STB solution
- Integrated DVB-S/S2 tuner/demodulator
- Full range of HD and SD video formats up to 1080p60
- HDMI 1.4™
- Compliant with EU power consumption regulations
- Range of middleware options available
- Range of conditional access options available including pre-integration with Titanium and Cisco Videoguard
- Industry-standard DRM support including pre-integration with Microsoft® PlayReady®
- Optional 2x2 dual-band selectable IEEE 802.11n Wi-Fi
- Range of optional analogue outputs
- AVC only processor option (ZS4100)

PRODUCT OVERVIEW

The ZS4210 is a small-form satellite HEVC set-top box solution for lower-cost but still high-performance DVB operations. The product uses the latest silicon technology to reduce size and power consumption while increasing processing. It is capable of functioning as a stand-alone device or, via its networking as part of a connected home network.

High Performance - a class-leading processor delivers impressive performance over previous generations of devices whilst reducing power. Its high-capability CPU lends itself to hybrid broadcast and interactive operations and the processor is capable of supporting all modern security architectures (CAS and DRM). A flexible memory configuration supports a rich software experience and, finally, highly-sensitive broadcast tuners make for high reliability in challenging signal conditions.

High Quality - High Efficiency Video Coding (HEVC or H.265) is the next-generation of video codec, offering up to 50% bandwidth savings on the H.264 standard. HEVC can be used by operators to deliver a superior quality-of-experience within the same cable bandwidth or to increase their existing capacity by re-encoding existing assets.

| High Definition | HEVC H.265 | HDMI 1.4 | USB 2.0 | Wi-Fi Optional |

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High Connectivity - the ZS4210 integrates USB 2.0 and fast (10/100) Ethernet for the connection of peripherals and networking.

Optional Modules - the unit supports an optional IEEE 802.11n dual-frequency MIMO Wi-Fi block for wireless networking or can interface via its built-in fast Ethernet to external networking such as PLC. These modules are designed to build into an attractive and complimentary stack of components, allowing operators to extend ARPU in a staged manner.

The same unit also can be configured with an AVC only device for further costs savings, if HEVC is not required (ZS4100).

GENERAL SPECIFICATIONS

Core Processor	
Processing	2000 DMIPS
Graphics	
Technology	2D processing up to 324 Mpix/s
Memory	
RAM	512 MB DDR3
Application Flash	128 MB
Satellite Frontend	
Input	IEC 61169-24 Female
Tuning Range	950-2150 MHz
Input Signal Level	−65 to −25 dBm
Tuner/Demodulator	Narrowband tuner and QPSK/8PSK demodulator compliant to EN 300 421 and EN 302 307
Symbol Rate	2-45 Msym/s
LNB Supply	350 mA continuous supply
LNB Control	13/18 V, 22-kHz tone
DiSEqC	1.0 and SatCR

GENERAL SPECIFICATIONS - CONTINUED

Video Decode / Encode	
Decoders/Resolutions	Single up to 1080p60
Encoders	None
Profiles	HEVC H.265 up to MP@L5.1; AVC H.264 up to MP@L4.2; MPEG-2 up to MP@HL
Optional Codecs	WMV, DivX, VC1, VP8
Audio Decode	
Sample Rate	32-192 kHz
MPEG Audio	MPEG-1 Layers 1, 2
MPEG-4 Audio	HE AAC v2 profile
Dolby	Dolby Digital™, Dolby Digital Plus™
Optional Codecs	WMA, MPEG-1 Layer 3

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GENERAL SPECIFICATIONS - CONTINUED

Front Panel

Remote Control	IR
Indicators	Up to 4 LEDs
Buttons	Up to 4

Rear Panel

RF Input	IEC 61169-24 F-type female
Digital AV	HDMI 1.4
Analogue AV	CVBS via RCA, L/R audio via RCA
USB	USB 2.0 Type A (500 mA)
Ethernet	RJ-45 10/100 Mbps
CAS	(Side) Full-size smartcard
Power	DC input

GENERAL SPECIFICATIONS - CONTINUED

CAS and Security

Secure Processor	Yes
Interface	Full-size compliant to ISO 7816
HDCP	HDCP 1.2
Analogue CP	Rovi 7.1 CGMS-A

Power

195-265 V, 50-60 Hz supply

EU Code-of-Conduct compliant

Compliant to Energy using products legislation (<1 W standby)

External PSU

CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

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