

PS5310 Satellite DVR

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



FEATURES

- High-definition low-cost PVR solution with HEVC support
- Dual DVB-S/S2 tuner/demodulator
- High performance 500 GB hard disk drive
- Full range out 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
- Industry-standard DRM support including pre-integration with Microsoft® PlayReady®
- Range of analogue outputs (option)
- 2x2 dual-band selectable IEEE 802.11n Wi-Fi (option)
- Large 1 TB HDD (option)

PRODUCT OVERVIEW

The PS5310 is an entry-level dual-tuner satellite HEVC PVR for price-sensitive applications or the wider deployment of a PVR solution to the market. The unit combines Pace's usual product quality with a reduced specification processor and selected options to provide the lowest cost and lowest barrier to entry to this premium technology.

Optimised Performance - the PS5310 selects its processor, memory, storage and tuner configurations to balance cost throughout whilst still providing great performance. At the same time, options for connectivity remain which means that IP delivery can also be supported with a suitable software solution.

The processor is capable of supporting all modern security architectures (CAS and DRM).

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 bandwidth or to increase their existing capacity by re-encoding existing assets.

High Connectivity - the PS5310 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 of peripherals and networking.

GENERAL SPECIFICATIONS

Core Processor

Processing 2000 DMIPS

Graphics

Technology 2D processing up to 324 Mpix/s

Memory

RAM 512 MB DDR3

Application Flash 256 MB

Program Storage

Hard Disk Drive 500 GB, 2.5 inch, Fixed or External tray

Interface USB 2.0

Satellite Frontend

Input 2 x IEC 61169-2 Female

Tuning Range 950-2150 MHz

Input Signal Level -65 to -25 dBm

Tuner/Demodulator 2x Narrowband tuners and QPSK/8PSK demodulators 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 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

GENERAL SPECIFICATIONS - CONTINUED
Rear Panel

| | |
|-------------|---------------------------------|
| RF Input | 2x 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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