Px5517 UHD DVRs
DVB, HEVC, Ultra-HD, Quad-Core DVRs
with Wave 2 802.11ac 4x4 Wi-Fi

FEATUES

- Android TV™ compliant platform
- Integrated DVR with 1 TB of storage
- Netflix Compliant (subject to Netflix/operator certification)
- RDK 2.x ready and supports traditional Pay-TV middleware
- 4x4 dual-band selectable IEEE 802.11ac Wi-Fi
- Virtual dual-band simultaneous Wi-Fi option; 5 GHz only single band option
- Powerful Quad-core Processor supports next generation user experiences
- Support for a range of Conditional Access System options available, including ARRIS TITANIUM
- Industry-standard DRM support including pre-integration with Microsoft® PlayReady®, Widevine®, and ARRIS SECUREMEDIA® DRM
- The range includes models for OTT, DVB-C, DVB-S2, DVB-T2 or hybrid service providers
- Ultra-HD with support for a wide range of HDR formats including HDR10, HLG and Dolby Vision (optional dependant on royalty)

PRODUCT OVERVIEW

ARRIS presents a range of stylish, high-quality UHD (4K) DVRs in a small form factor, with models for cable, satellite, terrestrial and OTT operators. The Px5517 is an Android TV compliant DVB platform which uses the latest technologies to reduce power consumption and increase processing capabilities.

Enhanced Whole Home Connectivity - the Px5517 is a highly-connected unit with integrated 4x4 IEEE 802.11ac dual band Wi-Fi. This delivers exceptional performance even in challenging environments through next generation technologies such as MU-MIMO and beamforming. USB 2.0 allows the connection of additional storage devices for functions such photo viewing. The Bluetooth Low Energy remote control option supports voice search and allows for hidden installation.

High Quality Video Experience - Ultra-HD, 10-bit colour and High Dynamic Range deliver four times the resolution of full HD, improved colour reproduction and a wider luminance range for an image that’s even closer to reality, all at frame rates that allow fast-moving action with reduced blurring. The Px5517 includes HDR<>SDR conversion for video and graphics, allowing the seamless use of legacy UIs on HDR displays, and the viewing of HDR content on conventional displays without the need for simulcasting.

Enables a wide choice of User Experience - a high-performance processor, 3D OpenGL and fast LPDDR4 memory give the platform the power to support a wide range of middlewares, including Android TV, to deliver a modern user experience.
## GENERAL SPECIFICATIONS

### Core Processor
- **Processing**: Quad-core, 15000 DMIPS

### Graphics
- **Technology**: 3D OpenGL ES3.1

### Memory
- **RAM**: 2 GB DDR4
- **Application Flash**: 8 GB eMMC
- **Boot Flash**: 4 MB SPI NOR (option)

### Program Storage
- **Hard Disk Drive**: 1 TB, 3.5 inch, Fixed or Removable option: 2.5 inch, Fixed or Removable
- **Interface**: SATA

### Video Decode / Encode
- **Decoders/Resolutions**: Single up to 4kp60 10bit
- **Encoders**: 1 video (limited)
- **HDR formats supported**: HDR10, HLG and Dolby Vision
- **Profiles**: HEVC H.265 up to Main10@L5.1; AVC H.264 up to MP@L4.2; MPEG-2 up to MP@HL
- **Optional Codecs**: VC1, WMV, DivX, VP8

### Audio Decode
- **Sample Rate**: 32-192 kHz
- **MPEG Audio**: MPEG-1 Layers 1, 2, and 3 (MP3)
- **MPEG-4 Audio**: HE AAC v2 profile
- **Dolby**: Dolby Digital™, Dolby Digital Plus™, and Dolby ATMOS™ (option)
- **Optional Codecs**: WMA

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## PRODUCT VARIANTS

<table>
<thead>
<tr>
<th>Variant</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PC5517</td>
<td>DVB-C, HEVC, Ultra-HD, Quad-Core Set-Top with 802.11ac 4x4 Wi-Fi</td>
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<tr>
<td>PSS5517</td>
<td>DVB-S2, HEVC, Ultra-HD, Quad-Core Set-Top with 802.11ac 4x4 Wi-Fi</td>
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<tr>
<td>PSS5517</td>
<td>DVB-T2, HEVC, Ultra-HD, Quad-Core Set-Top with 802.11ac 4x4 Wi-Fi</td>
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<tr>
<td>PH5517</td>
<td>DVB multi-standard (on request), HEVC, Ultra-HD, Quad-Core Set-Top with 802.11ac 4x4 Wi-Fi</td>
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## GENERAL SPECIFICATIONS - CONTINUED

### DVB-C Cable option (ZC4517)
- **Input**: IEC 61169-24 Female
- **Tuning Range**: 112-1002 MHz
- **Input Signal Level**: -65 to -25 dBm
- **Tuner/Demodulator**: 2x Wideband Full Band Capture Tuners and 2, 4 or 8 x QPSK/8PSK demodulators compliant to EN 300 421 and EN 302 307 DVB-S/S2
- **Symbol Rate**: 2-45 Msym/s
- **LNB Supply**: 350 mA continuous supply
- **LNB Control**: 13/18 V, 22-kHz tone
- **DiSEqC**: 2.0 and SatCR

### DVB-S2 Satellite option (PS5517)
- **Input**: 2 x IEC 61169-24 Female
- **Tuning Range**: 250-2350 MHz
- **Input Signal Level**: -10 to -15 dBmV
- **Tuner/Demodulator**: Full Band Capture 2, 4 or 8 x DVB-C/ITU J83-A,B,C
- **Symbol Rate**: 4.0-6.952 Msym/s with notional support up to 7 Msym/s
- **Modulation**: 16-, 32-, 64-, 128- and 256-QAM

### DVB-T2 Terrestrial option (PT5517)
- **Input**: IEC 61169-2 Female
- **Tuning Range**: 174-216 MHz (VHF) 470-806 MHz (UHF)
- **Input Signal Level**: 2-14 dBm
- **Tuner/Demodulator**: 1 or 2 x DVB-T/T2 tuner and demodulator
- **Standards**: EN 300 744 and EN302 755 Digital TV Group D-Book Nordig Unified Specification

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## GENERAL SPECIFICATIONS - CONTINUED

### Wi-Fi
- **Radio**: 4x4 802.11ac dual-band selectable (option: 5 GHz only single band)
- **Bandwidth**: 20, 40 and 80Mhz Support
- **Beamforming**: TX and RX
- **Modulation**: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM support with compatible AP
- **MU-MIMO**: RX
- **PHY rate**: 2.2 Gbps 5Ghz, 1 Gbps 2.4GHz

### Front Panel
- **Remote Control**: IR, Bluetooth
- **Indicators**: 2 LEDs, Blue/ Red standby indicator
- **Buttons**: One power button

### Rear Panel
- **RF Input**: As listed on previous page
- **Digital AV**: HDMI™ 2.1
- **Analogue AV**: None
- **USB**: USB 2.0 Type A 500 mA (option: USB 3.0 Type A 900 mA)
- **Ethernet**: RJ-45 Fast Ethernet
- **CAS**: SIM-style smartcard (option)
- **Power**: DC input

### CAS and Security
- **Secure Processor**: Yes
- **Interface**: SIM-style compliant to ISO 7816
- **HDCP**: HDCP 2.2
- **DRM Support**: ARRIS SecureMedia® DRM, Microsoft PlayReady®, Widevine®
- **CAS Support**: ARRIS TITANIUM CAS, ARRIS Secure Bootloader

### Physical
- **Dimensions**: 120mm (W) x 120mm (D) x 45mm (H)

### Power
- **EU Code-of-Conduct compliant**
- **Compliant to Energy Using Products Legislation EC No 1275/2008 and amendment EU 801/2013**
- **External PSU, localized according to region**

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### CUSTOMER CARE

Contact Customer Care for product information and sales:

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

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