

P.VU2010 Hybrid Set-top box



P.VU2000 Series set-top box offers new generation chipsets for higher performances and HD decoding. Its compact and modular design along with its extremely low power consumption makes it the most versatile solution for IPTV networks.

- **New SoC, higher performances**
- **H.264 High Definition decoding**
- **DVB-T tuner**
- **Slim and compact design**
- **Extra-low consumption**
- **High modularity**
- **Multimedia A/V optimized**
- **WiFi 802.11n module**
- **Multi CA/DRM**

Pirelli P.VU2000 Series is an integrated high definition set-top box family with advanced chip technology designed to receive and decode various streaming media formats, standard and high definition H.264, legacy coding such as MPEG-1 and MPEG-2.

P.VU2000 STB will help you provide innovative services thanks to its newest versatile System On a Chip (SoC) architecture. Its versatile and modular design allow a great variety of options from interactive Digital Terrestrial Television (DVB-T option) to video optimal wireless connectivity (WiFi 802.11n module) or pause live Tv (solid state drive module).

P.VU2000 STB can be connected to a USB 2.0 pen drive for multimedia content playback. Its middleware enables assorted trick play, local video recording, recorded-services playback, and pause Live TV as well as time-shift recording.

Environmental sustainability has been one of our top priorities during P.VU2000 designing. Therefore P.VU2000 complies to latest Code of Conduct for Digital TV Systems for Digital TV Service Systems, thanks to segmented functional areas and dedicated power switches which can individually shut down unused services (passive / active stand by). We know how important content protection is to our customers. With Digital Right Management (DRM) and multiple Conditional Access (CA) support, content is always protected.

Based on Pirelli's expertise in CPE remote management, the P.VU2000 offers an advanced Assurance and Performance Monitoring data model, which allows Operators to remotely troubleshoot Quality of Service issues via TR-069 compliant Management Systems such as the Pirelli Management Platform (PMP).

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Hybrid set-top box



Rear view

DVB-T Tuner

Single DVB-T Tuner for Digital Terrestrial TV DGTVi and Nordig standards compliant

(*) Dual SCART available upon request

LEDs

One Green/Red/Yellow/Off LED integrated in the power-on/stand-by button
Two Red programmable LEDs for IR and SERVICE

Power Adapter

220-240V (+-10%) @ 50Hz (+-5%) to 12Vdc 18 W for the European market
1 10-240V (+-10%) @ 50/60Hz (+-5%) to 12Vdc 18W for the Latin American market

Environmental Specifications

Temperature:
• Operating: 0 to 50 °C
• Non Operating: -20 to 60 °C
Relative Humidity:
• Operating: 5% to 95% noncondensing
• Non Operating: 5% to 95% noncondensing

Agency Approvals and Certifications

CE mark RoHS
WEEE

Physical Specifications

Dimensions: 250x190x47 mm Weight: 1 kg

Standard Package Content

Carton gift box (white or full colored) Remote Control and batteries
Power supply and power cable Ethernet cable
SCART cable
HDMI cable
Quick Installation Guide
Manual

MAIN FEATURES

System	Operating system: Linux 2.6.x (Windows CE.net option) System On Chip: Main 500MHz CPU is a MIPS 24Kf 32-bit processor and Dedicated audio/video HW accelerators are embedded in the SoC Memory: from 128MB to 512MB system/video DDR2 RAM, from 2MB to 256MB NAND flash
Digital interfaces	1x RJ45, Ethernet 10/100 BaseT, auto sensing, full duplex IR sensor for remote control/keyboard [on the front panel] Sub carrier 56 KHz. 2x USB2.0 type A master interface (one on the Front, one on the Rear)
Video Out	1x SCART connector (RGB, CVBS, Analog L/R) with Macrovision content protection for the European market 1x S-video mini-DIN connector and 1x RCA CVBS analog composite for the Latin American market 1x HDMI / HDCP 1.3 type A (interface for HDTV)
Audio Out	1x S/PDIF (Sony/Philips Digital Interface) digital sound optical connector 2x Stereo output on RCA connectors
Main Audio/Video codecs	MPEG-2 and H.264 video codecs up to 1080p@24fps Window Media Video and Audio MPEG-1 Layer 3 and MPEG-2 AAC-HE audio support Dolby Digital and Dolby Digital Plus support up to 7.1 channels
Options	Wi-Fi 802.11n embedded with internal antennas 7x capacitive buttons SATA NAND flash storage module up to 8GB for PauseTV 2.5" HDD for Personal Video Recording services VFD display 14 segments, 6 chars Single or double SmartCard slot for Conditional Access support
Middleware	Pirelli OpenSet™ SDK to let Operators develop advanced and customized services Alcatel-Lucent OMP/OMC 2.4 and MiView 5.3 Nokia Siemens Networks Myrio Ericsson Microsoft Mediaroom
Conditional Access	NDS Verimatix Securmedia
Other services	Remote management through DSL Forum TR-069 Web browser supporting the latest Internet technologies (HTML/JS, AJAX, Flash, etc.) Media sharing application supporting UPnP and DLNA technologies Forward Error Correction to extend video service reach Games (Accedo Broadband and G-Cluster gaming clients) Trick play and RTSP support VoD server support for Kasenna and Anevia Support for social networking and chat client

