

ADB-5810TX

High definition,
Push VoD-ready
Digital Video Recorder



Key features

Advanced single chip processor

Supports MPEG-2 and MPEG-4/
H.264 reception

USB 2.0

HDMI™ interface with HDCP
copy protection

Ethernet interface

Up to 500GB hard disk
drive capacity

Independent watch & record,
time shift viewing and
automatic recording

Ready for home networking

Push VoD application
and advanced Electronic
Programme Guide

The ADB-5810TX is an advanced, interactive Digital Video Recorder (DVR) optimised for digital terrestrial networks. The product is integrated with Multimedia Home Platform (MHP) software and supports high-quality digital recording and playback. The product is Push Video-on-Demand (Push VoD) ready, allowing operators to download premium, pay TV content onto the hard disk drive (HDD) for consumers to retrieve at their own convenience.

Push VoD creates additional revenue streams, whilst optimising broadcast bandwidth by downloading pay TV content to the HDD over-the-air during off-peak times. The content is stored in an encrypted format if used in conjunction with an appropriate conditional access (CA) system. Push VoD enables operators to offer a true VoD service without the need for a high-bandwidth return channel. The product has an advanced, single chip microprocessor.

The ADB-5810TX's twin-tuner allows independent recording of one channel whilst watching another and also accommodates a 'time-shift' mode for pausing and resuming live TV events at the touch of a button. The product includes a number of intelligent and personalised functions such as automatic recording on channel change, ensuring that important events are not missed.

The unit is compatible with high definition (HD) and standard definition (SD) television transmissions, and also supports MPEG-4/H.264 and VC-1 Advanced Video Coding (AVC) to enable operators to optimise their broadcast bandwidth. A High Definition Multimedia Interface™ (HDMI™) ensure that pictures are always represented in crystal-clear high resolution.

The advanced, on-screen navigation provides a simple and intuitive interface for managing a personal recording portfolio, including Electronic Program Guide, favourite channels and customisation according to individual needs. The product is compatible with multiple CA systems to ensure that it can operate in markets where there are a number of alternative pay TV content suppliers.

The dedicated remote control unit allows complete control of the DVR and one-touch recording. This advanced product offers additional multimedia applications including photo editor, MP3 download and player, calendar, calculator and games.

ADB. Defining Digital ■■■

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HDMI[™]
HIGH DEFINITION MULTIMEDIA INTERFACE

Technical specifications

TV Reception

- ▲ Twin DVB digital terrestrial
- ▲ RF pass-thru for analogue channels

System Resources

- ▲ FLASH memory: Up to 64MB
- ▲ RAM memory: Up to 256MB
- ▲ Up to 500GB built-in Hard Disk Drive (HDD)

Software

- ▲ DVB MHP 1.1
- ▲ Loader for Over-The-Air software upgrade
- ▲ Automatic channel installation via scanning
- ▲ Advanced Graphical User Interface
- ▲ PhotoAlbum, MP3 Player
- ▲ Calculator, Calendar, Notepad
- ▲ Picture in Picture functionality
- ▲ Games
- ▲ Advanced EPG and PushVOD functionality*

Security

- ▲ Pairing of the HDD with the STB
- ▲ Recordings on the HDD encrypted
- ▲ HDCP on HDMI output
- ▲ Advanced Security in the CPU
- ▲ Selection of embedded Conditional Access
- ▲ Macrovision on SD output

Video

- ▲ MPEG-1 (SD)
- ▲ MPEG-2 MP@ML (SD) and MP@HL (HD)
- ▲ MPEG-4 p.10 (H.264) MP@L3 (SD) and MP@L4.1 (HD)

- ▲ Video format: 4:3, 16:9 with Pan Scan, Letterbox
- ▲ Up-scaling of SD video on HD output
- ▲ Downscaling HD video on SD output
- ▲ Supported resolutions: 1080i, 720p, 480p/576p, 480i/576i
- ▲ 32-bit color for OSD graphics and external applications

Audio

- ▲ MPEG-1 Layers I, II, III (MP3)
- ▲ MPEG-2 Layer 2
- ▲ MPEG-2 AAC LC and AAC+
- ▲ MPEG-4 AAC LC 2-channel/5.1 channel, MPEG-4 AAC+SBR 2-channel/5.1 channel
- ▲ Mono, Dual Mono, Stereo, Joint Stereo
- ▲ Dolby Digital pass-through to external decoder
- ▲ Dolby Digital Down-mix (option)

Return channel

- ▲ 10/100BaseT Ethernet interface
- ▲ V.92 modem (option)

Front Panel

- ▲ Up to 2 x Smartcard slot
- ▲ DVB-Common Interface (option)
- ▲ 8 navigation keys
- ▲ Front Panel Display
- ▲ USB2.0 (option)

Back Panel

- ▲ RF input

- ▲ Loop-thru output with optional RF modulator
- ▲ HDMI[™] with HDCP
- ▲ YPbPr High Definition output
- ▲ S-Video output (option)
- ▲ TV SCART
- ▲ VCR SCART
- ▲ 3 x RCA (video + audio stereo) output
- ▲ Digital S/PDIF optical audio output
- ▲ Ethernet port
- ▲ Up to 2xUSB 2.0
- ▲ Power input

Accessories

- ▲ Universal remote control with DVR-specific buttons
- ▲ Audio/Video cables
- ▲ Batteries
- ▲ Power Supply Unit
- ▲ Getting started User Manual

General Data

- ▲ Operating temperature range +5 to +40(°C)
- ▲ AC input voltage: 90 - 264 V, 50/60 Hz
- ▲ Weight: 2.6kg
- ▲ Dimensions with feet and connectors (WxDxH): 325 x 265 x 61mm
- ▲ EU norms compliance, CE marking

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