



**ADB-3800W**  
Advanced, high-definition,  
IPTV set-top box with home-  
networking capabilities

По вопросам приобретения в России  
и странах СНГ обращайтесь  
в компанию "Нетрис"



The ADB-3800W is an advanced, interactive, set-top box optimized for IP-based telecommunications networks. The unit is compatible with the industry's leading conditional access, digital rights management (DRM) and middleware technologies.

This new unit boasts the latest STi7100 system on chip from STMicroelectronics, providing performance enhancements such as fast channel change and swifter rendering of on-screen applications, such as the Electronic Program Guide (EPG). The unit is compatible with high-definition (HD) and standard definition (SD) television transmissions across all industry standard compressions, including MPEG-2 and MPEG-4/H.264 video coding, allowing operators to optimize their broadcast bandwidth. ADB's advanced and state-of-the-art HD technology, coupled with a High Definition Multimedia Interface™ (HDMI™) interface, ensures crystal clear viewing and playback of all television transmissions.

The ADB-3800W can provide the most up-to-date interactivity through a number of leading IPTV middleware solutions.

The ADB-3800W set-top-box can connect directly to the ADB-5810WX DVR as part of a multi-room, home networking system. This allows the set-top boxes to access content stored on a DVR's hard-drive in addition to controlling the recording from a second location.

**Key Features**

- Advanced GUI navigation via browser
- Choice of IPTV conditional access and middleware
- Ethernet interface
- HDMI™ interface
- USB 2.0 connectivity



CABLE ■ IPTV ■ SATELLITE ■ TERRESTRIAL ■ INTERACTIVE

## ADB-3800W

Advanced, high-definition, IPTV  
STB with home-networking  
capabilities



**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



Advanced Digital Broadcast, Inc.  
150 N. Michigan Avenue, Suite 1500  
Chicago IL 60601, USA  
tel: +1 312 795 9721, fax: +1 312 795 9728

[www.adbglobal.com](http://www.adbglobal.com)

### set-top-box technical specification

#### TV Reception

- Ⓢ IPTV

#### System Resources

- Ⓢ Powered by STB7100 CPU
- Ⓢ FLASH memory: Up to 64MB
- Ⓢ RAM memory: Up to 256MB (DDR)

#### Software

- Ⓢ Linux, Mozilla Browser
- Ⓢ ADB JavaScript API for IPTV and DVB
- Ⓢ Selection of IPTV middleware
- Ⓢ Compatible with MS Windows CE 5.0 BSP
- Ⓢ Advanced Graphical User Interface
- Ⓢ UPnP Media Player & Server
- Ⓢ Video Telephony
- Ⓢ HDD MP3 Player & Photo Album
- Ⓢ Electronic Program Guide
- Ⓢ Picture in Picture functionality
- Ⓢ Games

#### Security

- Ⓢ Up to 2 x Smart Card slots
- Ⓢ Selection of embedded DRM & Conditional Access
- Ⓢ Macrovision on SD output
- Ⓢ HDCP on HDMI output

#### IP Protocols & Standards

- Ⓢ IGMP2 [RFC 2236], IGMP3 [RFC 3376]
- Ⓢ RTSP [RFC 2326]
- Ⓢ RTP [RFC 3550]
- Ⓢ PPPoE [RFC 2516]
- Ⓢ SIP [RFC2543]
- Ⓢ NTP [RFC 1305]
- Ⓢ SSL 3.0
- Ⓢ TLS 1.0 [RFC 2246]
- Ⓢ HTTP 1.1, HTTPS, HTTP Authentication [RFC 2617]
- Ⓢ DHCP [RFC 2131]
- Ⓢ HTML 4.01, Dynamic HTML
- Ⓢ XHTML 1.0
- Ⓢ JavaScript 1.5
- Ⓢ DOM level 2
- Ⓢ CSS level 2
- Ⓢ TR-069/TR-111

#### 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)
- Ⓢ H.263 decoding and encoding for video telephony
- Ⓢ MP@LL, MP@ML, MP@HL, AP@L1-3
- Ⓢ Video format: 4:3,16:9 with Pan Scan, Letterbox
- Ⓢ Up-scaling of SD video on HD output
- Ⓢ Downscaling HD video on SD output
- Ⓢ Resolution: up to 1920x1080
- Ⓢ 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
- Ⓢ WMA-9, WMA-9 Pro
- Ⓢ G.7xx for VoIP
- Ⓢ Echo cancellation for VoIP
- Ⓢ Mono, Dual Mono, Stereo, Joint Stereo
- Ⓢ Dolby Digital pass-through to external decoder
- Ⓢ Dolby Digital Down-mix

#### Return channel

- Ⓢ IEEE 802.3 10/100 Ethernet interface

#### Front Panel

- Ⓢ Optional Smartcard slot
- Ⓢ 8 navigation keys
- Ⓢ 4 segment display
- Ⓢ STB status LED indicators
- Ⓢ USB 2.0

#### Back Panel Connectors

- Ⓢ RF Modulator
- Ⓢ TV RCA output
- Ⓢ S-Video output
- Ⓢ YPrPb high definition output
- Ⓢ HDMI high definition output
- Ⓢ Digital S/PDIF optical audio output
- Ⓢ USB 2.0
- Ⓢ RJ-45 Ethernet port
- Ⓢ Power cord receptacle

#### Accessories

- Ⓢ Universal remote control with DVR-specific buttons
- Ⓢ Audio/Video cables
- Ⓢ Ethernet cable
- Ⓢ Batteries
- Ⓢ Power cord
- Ⓢ Getting started User Manual

#### General Data

- Ⓢ Operating temperature range +5 to +40 (°C)
- Ⓢ AC input voltage: 90 - 264 V, 50/60 Hz
- Ⓢ Dimensions(WxDxH): 290 x 55 x 220 mm
- Ⓢ FCC, UL & CUL compliance

 **Netris**

Россия, 121087, Москва,  
Багратионовский проезд, 7, корпус 20В  
Тел. +7 (495) 950 55 25  
E-mail: [info@netris.ru](mailto:info@netris.ru)  
<http://www.netris.tv>