



DIGITAL TERRESTRIAL RECEIVER

ATSC HDTV Receiver with USB 2.0 interface



Highlights

Free-to-Air Digital TV (DTV) reception

DTV includes Standard DTV and full-quality High Definition TV

Up to 19.28 Mbps

Plug-and-play installation and optional user-friendly operational interfaces

Designed and Certified for use with Microsoft® Windows® XP

IR Receiver for Remote Control (Optional)

Small shape factor



Overview

The USB-A 3560 is high performance ATSC Terrestrial HDTV receiver optimized for reception of ATSC video, audio, and IP data. The USB-A 3560 connects to a PC via USB cable and is capable of receiving information at the full data rate of an ATSC channel and up to 19.28 Mbps. The desired data streams are captured and forwarded to the PC through the USB2.0 port at data rates of up to 480 Mbps.

Conforming to ATSC standards, the USB-A 3560 is easy to install and provides the flexibility and performance required by TV applications such as Microsoft® Windows® XP Media Center Edition.

Benefits

View Free-to-Air DTV channels: The USB-A 3560 receiver supports ATSC audio, video, and data broadcasting.

The USB-A 3560 enables reception of Digital TV programming in more places across North America than ever before, and at no cost! In early 2005 there were more than 1,300 DTV stations on the air in 211 markets in the USA.

Compliance with Windows® XP Media Center Edition 2005: VBox's USB-A 3560, when operated with Windows® XP Media Center Edition 2005, enable users to watch and record Digital High Definition television using a PC. Windows® XP Media Center Edition 2005 is available pre-installed on Media Center PCs and delivers advanced computing plus easy-to-use integrated digital entertainment, including live and recorded television, movies, music, photos, and radio broadcasts. The customer's digital media is all in one place, accessible on either a PC monitor or television display - using a single remote control.

Compatibility: The USB-A 3560 receiver leverages VBox Communications' extensive expertise in applications and application development for data processing, device drivers, firmware, and networking, ensuring interoperability across multiple system architectures and operating systems.

Optional bundling with AtmosWeb™ - VBox's own friendly software application, integrating audio and video MPEG decoding, enables the user to watch movies on a PC monitor. AtmosWeb™ Connect enables data casting over ATSC reception.

Small shape factor: The small size of USB-A 3560 makes it convenient for use also when space is an issue.

VBox Communications Ltd is a provider of customer-premises receiver solutions for digital TV and data broadcasting networks. VBox products include PCI cards and USB boxes that provide digital TV reception capabilities such as handling of encrypted content for Pay TV services and delivery of high-quality video, audio, and data services. VBox also provides Routers and Gateways for receiving data and high-quality digital contents from digital broadcast infrastructures and distributing these over LAN.





Specifications

RF Tuner

RF Input: Coaxial IEC 75 female
RF Loop Through: Coaxial IEC 75 male
RF Input Impedance: 75 OHm
Reception Frequency:

55.25 MHz to 859.25 MHz

Channel Bandwidth: 6 MHz
Input Sensitivity: Min. -80dBm
Input Sensitivity: Min. -84dBm
Dynamic Range: > 82 dB
White Noise Threshold of Errors:
<15.3 dB
AGC Speed: >600Hz

USB Interface

Interface Protocol: USB 2.0 compliant
Bus Speed: Up to 480 Mbps

VSB

ATSC digital 8VSB and 16VSB

FEC

Decoding: Reed-Solomon
Reed-Solomon Outer Code: (207, 187)

Software Drivers

BDA drivers for Microsoft® Windows® XP
BDA drivers for Microsoft® Windows® XP
Media Center Edition 2005 HDTV

Optional Software Applications

AtmosWeb™
AtmosWeb™ Connect

Environmental

Operating Temperature: 0°C to 55°C
Storage Temperature: -55°C to 85°C
Humidity (operating): 10% to 90%

Power Supply

Power: 5V DC (From USB)
2.5 W max

Connectors

USB-B receptacle
RF 'F'-type female

Optional IR Receiver

IR Receiver for Remote Control

Physical

Height: 4 cm
Width: 8 cm
Length: 10 cm

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