



DIGITAL SATELLITE TV

DVB-S Desktop Receiver



Highlights

DVB-S compliant reception

Software MPEG-2 decoding

Brings high definition and enhanced digital TV directly to your PC

Easy-to-use channel guide

Easy, one step plug-and-play installation

Windows 98, 2000, ME, XP operating system support

Support video and data broadcasts simultaneously

Overview

The DTS-110 is highly integrated, low cost, PCI —based DVB Satellite-to-PC broadcast receiver. The DTS-110 brings the world of digital TV and enhanced TV services directly to your PC. Featuring VBox BIC951 proprietary ASIC on, the DTS-110 satellite receiver utilizes software-based, standard or high-definition MPEG-2 video and audio decoders without the expense of hardware decoders. User friendly applications software integrates audio, video and data broadcasts.

Benefits

Flexibility and reliability for Video and Data application Conforming to DVB and MPEG standard transports, the DTS-110 satellite receiver provides a reliable, open architecture solution that can be easily integrated into a variety of system solutions and existing networks. Designed for a variety of IP data and video broadcast applications, the DTS-110 is complimented by VBox advanced client technology software

Compatibility VBox extensive PC expertise in applications, device driver, firmware, networking and VLSI development assures interoperability across multiple open system architectures and operating systems. VBox is a worldwide leader in the design of hardware and software products used to create broadcast networks conforming to international standards, including DVB, ATSC, TCP/IP, and MPEG Software MPEG-2 decoding





Specifications

RF Tuner

RF input: F-type female
Receiving frequency: 950MHz to 2150MHz
Input signal level: -65 dBm to -25 dBm
Nominal input impedance: 75

PCI Interface

PCI Interface: BIC-951
Computer bus PCI: 2.1 compliant local bus
Interface protocol: bus master DMA, Scatter, Gather
Host bus width: 32-bit
Host bus burst: 133 MB/s

Data Rate

Up to 60Mbps

DVB-S

Demodulation: QPSK
Symbol rates: 1.5-45 Msps- variable

LNB Power and Switching Supply

voltage: selectable 13v or 18v
Max LNB current: 400mA
Antenna control 22 kHz signal
Short circuit protection

System requirements

Operating system: Windows 98, ME, 2000, XP

FEC

Decoding: Viterbi/Reed-Solomon
Viterbi inner code: K=7, R=1/2, 2/3, 3/4, 5/6, 7/8
Reed-Solomon outer code: (204, 188), T=8

Software Capabilities

UDP/TCP/IP Protocol
PES and TS data filtering
PSI/SI private tables
Multiprotocol encapsulation (MPE)
Unicast/Multicast filtering
PID Filters: 32
Section filters: 32
Multicast Mac filters: 128
Software MPEG-2 Audio Video decoding

Physical/environmental

Height: 3.50 in. (8.89 cm)
Length: 5.50 in. (13.97 cm)
Component height: 0.570 in. (1.44 cm)
Operating temperature: 0C to 40C
Storage temperature: -55 C to 80C
Humidity (operating): 10% to 90%

Optional Connectors (E Leader)

26 pin LVDS connector

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