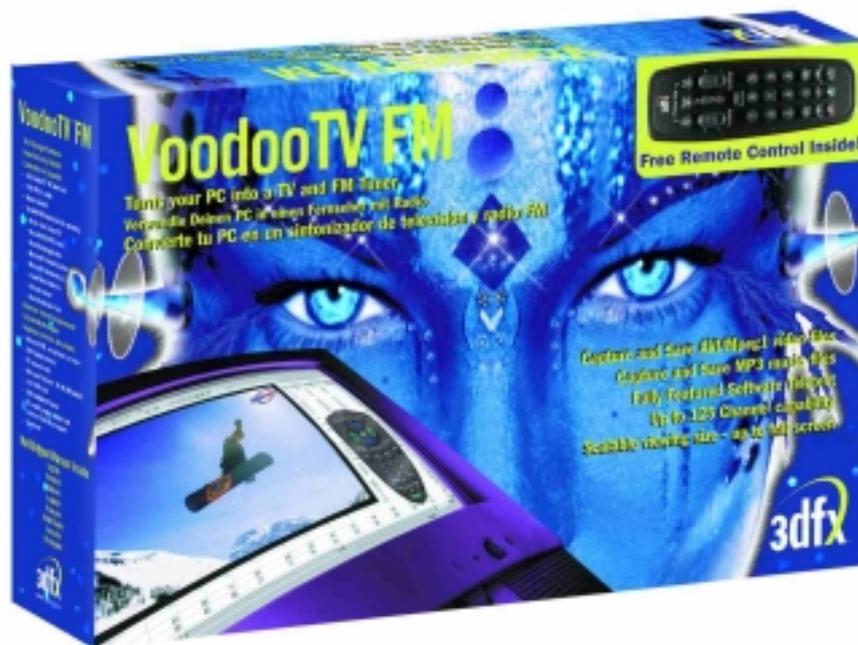


VoodooTV FM

“Turn your PC into a TV and FM Tuner”



*Toptronic*s

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The VoodooTV FM Cable-Ready Television Tuner From 3dfx Interactive

A Product Summary

Turns your PCs Into A Cable/Antenna-Ready TV

The VoodooTV FM is the “first” product of the new Multimedia line. VoodooTV FM allows watching your favorite programs on your PC or listening your favorite tunes thanks to the integrated FM tuner.

The VoodooTV FM card uses an advanced silicon-based "*tuner-on-a-chip*" from Microtune for improved reception and reliability, and also supports multiple video signals formats for greater flexibility, including S-video input for improved picture quality. VOODOOtv's *Visual Reality* software delivers a powerful new level of control over the rapidly expanding world of multimedia possibilities.

The VoodooTV FM will be the first TV products to utilize “tuner-on-a-chip” technology from Microtune, revolutionizing TV on the PC. The revolutionary silicon tuner technology, MicroTuner MT2032, prevents channels from bleeding over each other through a superior adjacent channel rejection feature. Consumers need not worry about dust, humidity and noise affecting video quality. VoodooTV delivers better noise resistance and faster channel acquisition for clearly the highest quality TV tuning signal and video image available on a PC today. For the price of a single-conversion tuner, consumers can enjoy dual-conversion performance. With single conversion tuners that are not cable ready, digital channels have a greater opportunity to “step on” analog channels

Include is the MPEG1 encode from Ligos Technology that will allow users to capture video via a digital VCR and save the video in an MPEG1 format. The products will also ship with MP3 encode of FM from Intervideo that is a first for **any** TV product.

VoodooTV FM adds an easy to use software package in 3dfx's *Visual Reality* 3.0 to bring all the features of a high-end television to the PC. Features like channel blocking, surfing, video or image capture are all built in to the software. 3dfx has applied the same “skin” technology, found in popular games like Quake, to *Visual Reality*'s remote control. 3dfx supplies many different remote control styles on the installation CD and will ultimately post more on the 3dfx website for downloading.

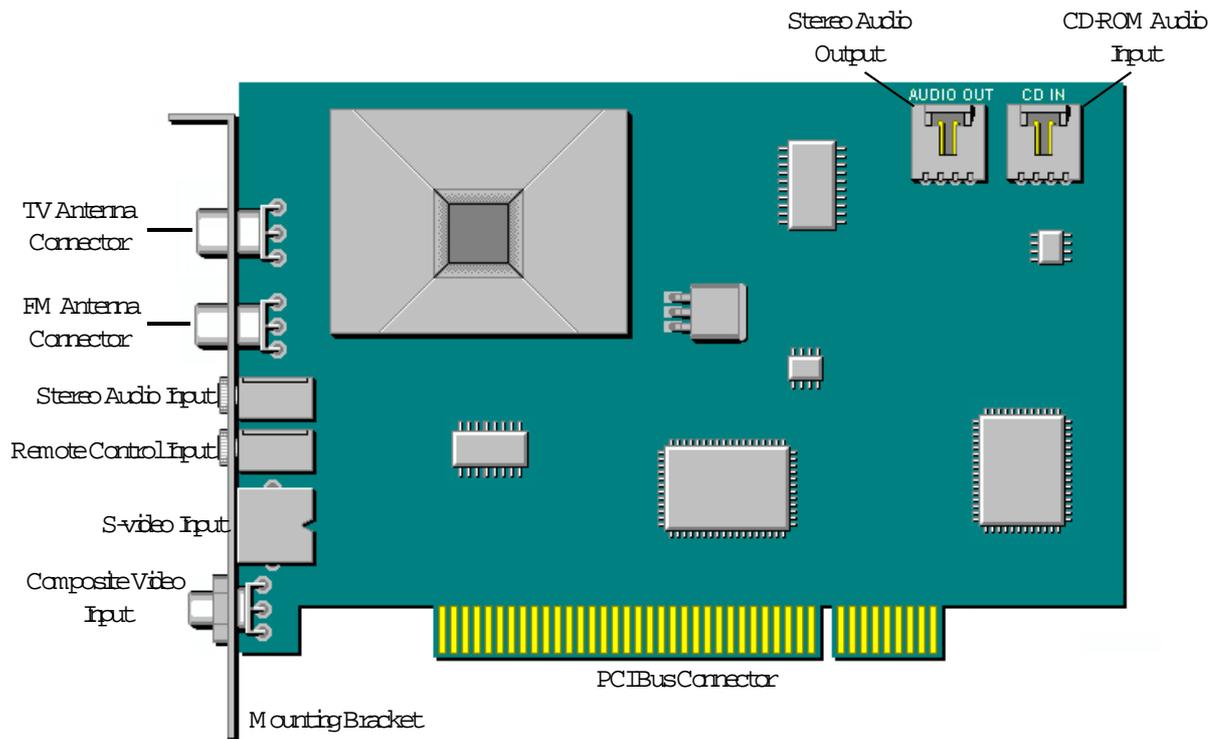
For a crisp, stable image, 3dfx uses the Conexant Bt878 video controller. The VoodooTV FM has an FM tuner to bring FM stereo to the PC. Features like Record in MP3 file format, Seek and Scan of FM radio stations are all built into the software. All video data travels over the PCI bus, so it is a “cableless” design for easy installation. The VoodooTV FM is not a daughter card. It is designed to work with virtually any graphics controller that is equipped with an integrated scaler and has the appropriate DirectX support.

3dfx's VoodooTV FM:

- Accepts standard video line signals (composite video) from a VCR or Video Camera
- Accepts RF-modulated (broadcast) video signals from Cable TV or TV antenna
- Accepts S-video input signals from S-video Camera or VCR for improved image quality
- Accepts broadcast-level (RF) FM radio signals from an FM antenna
- Cable-ready TV tuner supports up to 125 channels
- Records programs in AVI & MPEG1 Format
- Allows TV images of any size to be positioned anywhere on the PC screen
- Virtual on-screen TV remote
- PAL & SECAM video formats supported (different products and PN)
- Includes zoom function for getting a closer look at selected areas
- Channel surfing allows previews of selected “active” channels
- Parental control feature with password allows locking out of desired stations
- Supports software Teletext
- Supports high-resolution/high-quality frame captures
- Provides freeze-frame, still capture, and video capture functions
- Full FM Stereo Tuner with dbx capable of: MP3 Recording, MP3 Playback, Scan, Seek, Station Preset
- Stereo Audio Input and Output connectors
- Fully supports Microsoft DirectShow

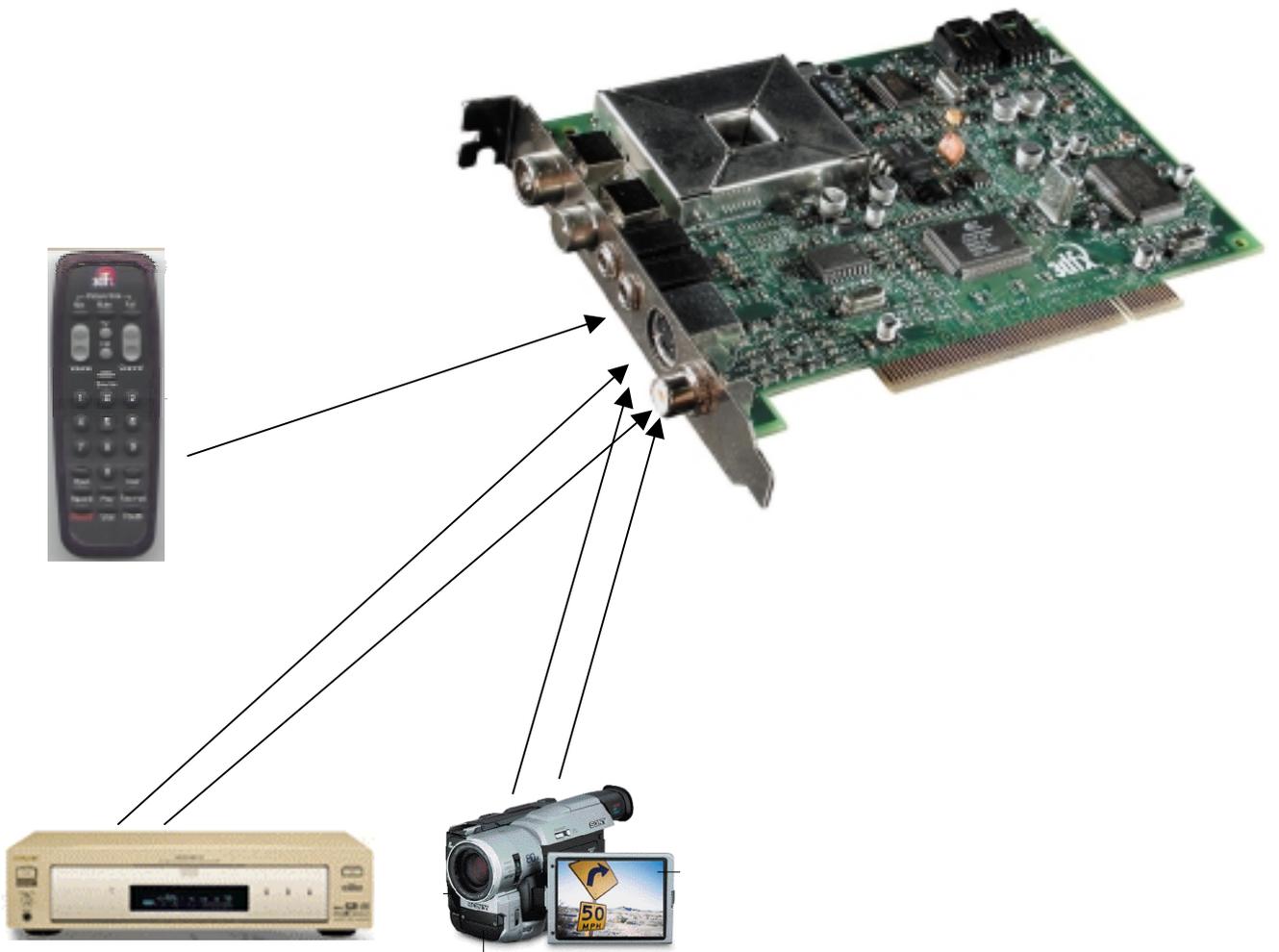
VoodooTV FM Board Diagram

The diagram below shows the VoodooTV FM tuner card. Note the locations of the Cable/Antenna Input, the S-video and Composite Video Inputs, and the CD-ROM Audio Input and Stereo Audio Output on your VoodooTV FM card.



The 3dfx VOODOO tv FM Card

Connector	Signal / Source
TV Antenna Connector	Broadcast-level (RF) television signals from Cable TV or a TV antenna
FM Antenna Connector	Broadcast-level (RF) FM radio signals from an FM antenna
Stereo Audio Input	Stereo (line-level) audio signal from an external source
IR Receiver Input	External infra-red (IR) receiver for the handheld IR Remote Control unit
S-Video Input	Line-level video signal from an S-video camera or VCR
Composite Video Input	Line-level video signal from a video camera or VCR in standard PAL



Hardware Configuration

<i>Bus</i>	PCI
<i>Video & PCI Interface Controller</i>	Conexant Bt878
<i>TV Tuner</i>	Microtune MT2032
<i>Stereo decoder with dbx noise reduction</i>	Micronas MSP34XX family

System Requirements

- Pentium P90 or faster
- 16MB system memory
- PCI expansion slot with us mastering capability
- Microsoft Windows 95/95OSR2/98/98SE/ME
- 2X CD-ROM drive or better
- 25MB available HD Space
- PCI or AGP video with scaler and direct Draw Support

Connectors

- RF connector for TV and FM in
- 1/8" mini phono for stereo audio in
- RCA connector for composite video in
- S-Video connector for S-Video in
- IR Receiver connector for the handheld IR Remote Control unit
- 2 4-pin MPC headers for CD audio pass through and stereo audio out to sound card

Compatibility:

The VoodooTV FM is compatible with all the Voodoo3 series of products and the VSA-100 series of products. This includes the Voodoo3 2000/3000/3500 AGP/PCI and Voodoo4 4500/5500 AGP/PCI. All other boards from competitors that use a chip with integrated scaler and Direct Draw video overly will be supported.

3dfx *Visual Reality* 3.0 Software

Introduction to *VisualReality* 3.0

3dfx's revolutionary new *VisualReality* software application provides today's most active and convenient control for TV and FM tuning on the PC screen. *VisualReality* lets the user adjust all major television controls – from channel and volume control to a broad selection of special features – using familiar on-screen-virtual remote controls.

VisualReality features include the ability to scale the TV viewing area up to full-screen size, the ability to magnify a section of the TV screen using the zoom feature, a convenient on-screen TV remote control, active channel selection menu, full closed captioning, channel-blocking for parental controls, and easy adjustments for on-screen brightness, tint, color and contrast. FM Tuner features supported by 3dfx's *VisualReality* include on-screen controls, seek/scan/tune controls, channel presets and volume and audio controls.

Full-featured TV tuner control with:

- Channel Surfing
- Fine-Tuning with manual adjustment
- Record's in MPEG1 & AVI file format
- Full-Scaling & Positioning of TV Window
- Video & Frame Capture
- Brightness, Contrast, Color and Tint Controls
- Volume Settings
- Parental Control via Channel Blocker
- Scan Channels
- Zoom feature
- Multiple "skin" interface
- Digital VCR functionality
- S-video and Composite support

Optional FM tuner control:

- Station Settings
- Volume Control
- Fine Tuning
- Audio Capture in MP3 format
- All the standard tuner buttons including seek, scan and more.

3dfx's *Visual Reality* controls the TV tuner application via familiar Windows-style property tabs. To get to the properties page, simply click the menu button on your remote control.

The software is localized in the 8 languages we currently support:

English, German, French, Italian, Spanish, Dutch, Swedish, and Portuguese.

The Box



Part Number	110-0891-111
Barcode	745162014617
Warranty	3-years warranty
Size	37.5w X 24.5l x 7.5d
Weight	TBA

The box has 3 languages on the front and the back; these are English, German and Spanish. On the left side of the box we specify “Multilingual Manual Inside” with the reference of the 8 languages we currently support:

English, German, French, Dutch, Swedish, Italian, Spanish and Portuguese.

Content of the box:

1. VoodooTV FM card
2. Remote Control with Batteries
3. IR remote dongle
4. MPC2 pass through audio cable
5. Driver CD
6. OEM Multilingual Manual (8 pages x 8 languages)
7. FCC insert

CD content

Drivers and On Line Manual

The driver is the most important piece of software that allows the hardware to work with the OS. The CD contains drivers that works on Windows 95/95OSR2/98/98SE/ME. Currently we do not have drivers for Windows2000 but these will be posted on the web immediately after the release. No plans for NT drivers. An On Line manual is also on the CD. English only.

U-Lead Video Studio 4.x (in the Driver CD)

<http://www.ulead.com/vs/features.htm>

Video Studio from Ulead allows the user to assemble and edit video and audio clips right on their desktop PC. This easy to learn and use system brings maximum creativity to multimedia projects. Video Studio takes full advantage of the most advanced digital video technology to put digital video excitement within the reach of anyone with a camcorder, a PC and a video capture card.

Microsoft NetMeeting 3.x (in the Driver CD)

<http://www.microsoft.com/windows/netmeeting/default.asp>

NetMeeting for Windows provides the most complete conferencing solution for the Internet and corporate intranet. Powerful features let you communicate with both audio and video, collaborate on virtually any Windows-based application, exchange graphics on an electronic whiteboard, transfer files, use the text-based chat program, and much more. Using your PC and the Internet, you can now hold face-to-face conversations with friends and family around the world, and it won't cost a fortune to do so! Because NetMeeting works with any video capture card or camera that supports Video for Windows®, you can choose from a wide range of video equipment.

Microsoft Internet Explorer 5.x (in the Driver CD)

<http://www.microsoft.com/windows/ie/>

Internet Explorer 5.0 is an open, integrated suite of Internet software that includes the industry's premier Internet client and basic collaboration solution for end users, IT managers, and developers. Internet Explorer 5.0 completes the integration of the Internet and the PC. The end result is a dramatically easier and more personalized way for people to get the most out of the Internet

Cebra Teletext (in the Driver CD)

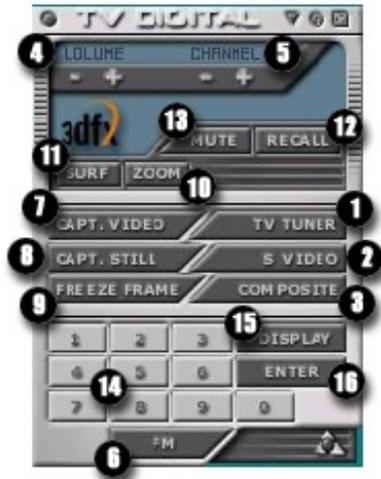
<http://www.cebra.dk/ttx.htm>

Cebra Teletext is a very "easy to use" software Teletext. This software works with the hardware to capture and display Teletext pages. It works just as your Teletext feature on your television set. Type the three digit page number on your keyboard, or click any page reference on the page, and then the new page is displayed

3dfx Skin pack (in the Driver CD)

Change the way you look at your remote control, use your custom remote by using the Skin Pack. Skin Pack offers a wide choice of different remote control interface that will delight everybody. We supply many different remote control styles on the installation CD and will ultimately post more on the 3dfx website for downloading.

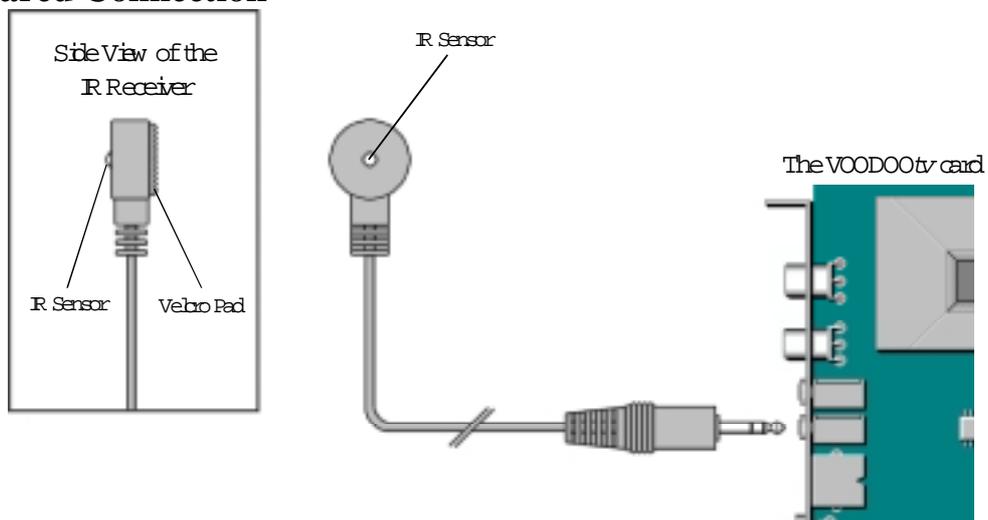
TV Tuner Picture



Remote Control Picture



Infrared Connection



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