

## Product Brief

Zoran Corporation  
1390 Kifer Road  
Sunnyvale, CA 94086-5305

Tel 408.523.6500  
Fax 408.523.6501  
www.zoran.com

**Description**

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The VBI Decoder Software Suite is an implementation of a VBI decoder and parsers that offers ready-to-use modules for the various VBI data formats. Each module is an independent unit that can either run alone or in conjunction with the other modules, depending on the system requirements. The modules, developed and written in C, are ready for integration both into PC applications and embedded consumer electronic devices. The VBI Decoder Suite was designed

for maximum flexibility providing fine-tuning of many of the system variables. The VBI Decoder Software Suite comes with a Windows-based PC application that may be used as a reference example. The PC application can also be used to capture and playback VBI data using the Zoran VIPIII Demo System.

**Features**

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**Teletext**

- Full support for System 625B Level 1.5 and 2.5 specifications, including object display
- Configurable cache for fast page loading
- Full FASTEXT (FLOP) and TOP navigation support
- Language- and region-specific fonts and font subsets
- Subtitle and newsflash modes with transparent background support
- Full Level 2.5 support with backward compatibility
- Expanded color palette, 16 additional colors
- Downloadable / definable color support
- Expanded character sets
- Expanded character attributes including double size, double width, underlining and serial and parallel attributes
- Dynamically Redefinable Character Sets (DRCS)
- Adaptive, passive and active object support
- Side panel support

**Closed Captions**

- Service and channel selection
- Field 1 and Field 2 decoding
- Supports all three styles - roll-up, pop-on and paint-on
- Supports italic, underlined and colored text
- Supports optional features such as colored caption background
- Provides API to receive XDS information
- Parity bit error checking
- XDS packet checksum validation

**WSS**

- Facilitates the handling of various aspect ratios of program material received by TVs
- Supports both 525-line NTSC and 625-line PAL and SECAM systems
- Simple implementation that makes it easy to integrate into existing applications
- VBI Decoder Software Suite Launch Page

**Deliverables**

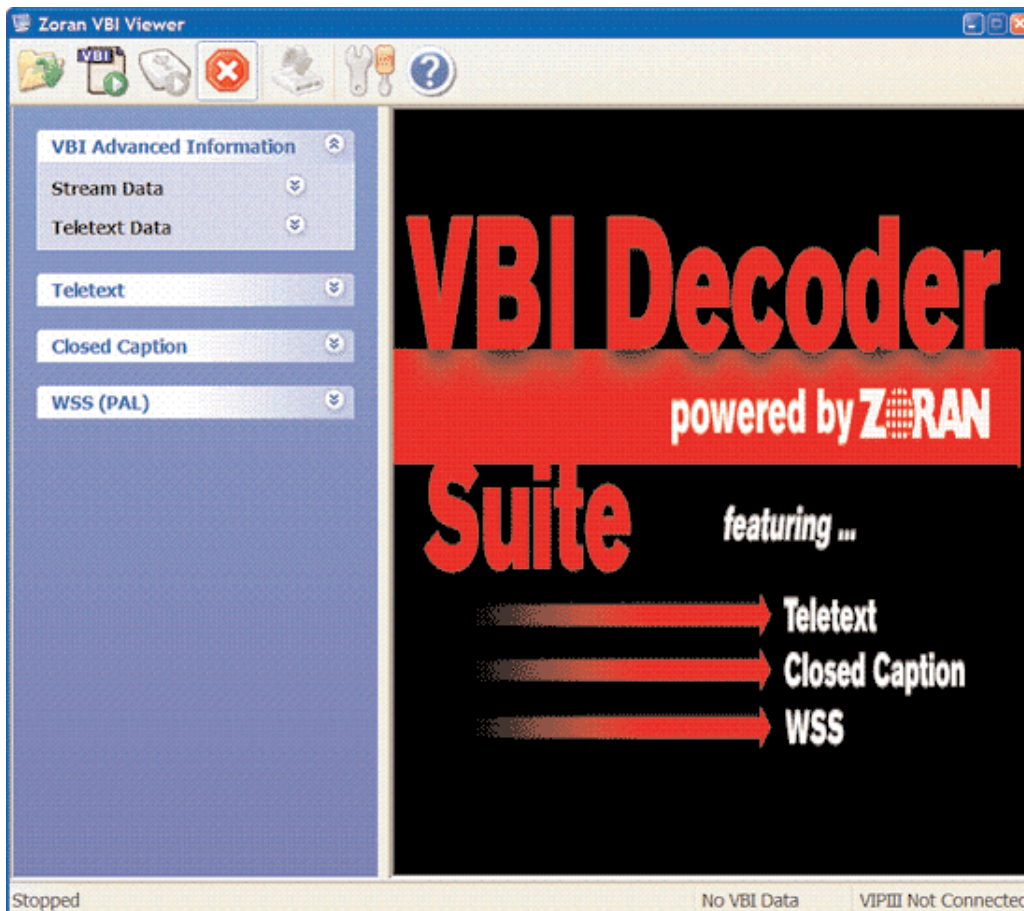
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- VBI decoder source code
- Source code for any combination of the following VBI parsers: Teletext, Closed Captions, WSS
- Windows-based VBI Viewer reference application
- Documentation

Product Brief



VBI Decoder Software Suite Launch Page



**For more information, contact Zoran's Sunnyvale office or the office nearest you:**

Shanghai, China	Shenzhen, China	Hong Kong	Israel	Japan	Korea	Taiwan
Zoran China Office	Zoran China Office	Zoran Asia Pacific Ltd.	Zoran Microelectronics Ltd.	Zoran Japan Office	Zoran Korea Office	Zoran Taiwan Office
Tel: 86-21-6469-9799	Tel: 86-755-8281-5777	Tel: +852-2620-5838	Tel: +972-4-8545-777	Tel: +81-3-5475-1051	Tel: +82-2-761-7471	Tel: +886-2-2659-9797
Fax: 86-21-6427-0545	Fax: 86-755-8322-0889	Fax: +852-2620-5238	Fax: +972-4-8551-550	Fax: +81-3-5475-1053	Fax: +82-2-761-7472	Fax: +886-2-2659-9595

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