

Verance Audio Watermark Detector

SDMI Screen

for Intel® Pentium®



Accelerate to SDMI compliance with Verance optimized detectors

Time-to-market is of critical importance in today's evolving digital economy. As technology product features and operating platforms play leapfrog, consumer electronics, computer equipment manufacturers and software makers are challenged by extremely limited engineering resources and ever-tightening product development lifecycles.

Verance understands. We've created a tool for manufacturers developing SDMI (Secure Digital Music Initiative) compliant devices on the PC platform that can significantly shorten time to market. Shipped precompiled and optimized, this solution outperforms the specified requirements of SDMI. In addition, it features a straightforward C language API (Application Program Interface) for fast integration with other system functions.

Verance, the inventor of the SDMI screening technology, will save you valuable development time and provide the surest path to SDMI compliance.

Key Benefits

- Most efficient PC implementation available
- Designed and supported by Verance, the inventors of the SDMI screening technology
- Optimized algorithms
- Compatible with Microsoft Foundation Class applications
- Minimizes resource usage of SDMI Screen

PC platform enables low computation resources, additional revenues

With Verance's new optimized watermark detection solution for the PC, now hundreds of music software makers worldwide have the option to more efficiently integrate Verance's copy protection capability. Verance has made great strides to achieve a MIPS count of 10 on the PC, allowing developers to dedicate more computing resources to end-user features.

Technology developers know that consumers make buying decisions based primarily on price and features. Verance's PC solution allows developers to favorably effect price through lower cost of production. At the same time, developers can integrate revenue enhancing next generation features and functionality that will only be available through SDMI compliance.



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Description

The Verance Audio Watermark Detector (SDMI Screen optimized for the PC) is an object-code software module for use in products running under the MS Windows operating system and that comply with the Secure Digital Music Initiative's (SDMI) Portable Device Specification. The software implements the content screening function ("SDMI Screen") that is required for SDMI devices that permit the playback or recording of content from insecure sources such as analog inputs, unencrypted digital interfaces, and unencrypted files on any digital storage media.

Features

- **Optimized Code**
- **ANSI C Application Programming Interface (API)**
- **Passes the Verance/4C 12-Bit Compliance Verification Suite Version 1.7.1**
- **Audio Input: Linear PCM, accepts any bit resolution as well as any common sampling rate for CD or DVD, up to 8 interleaved channels**
- **Watermark Output: 3 watermark data bits per 15 seconds (2 CCI bits and 1 SDMI Trigger Bit)**

System Requirements

Microprocessor Architecture: Intel® Pentium®

Object Code Format: Windows 95/NT/2000/ME

Memory: 32 MBytes

Peak/Average Computation: 10 MIPS

Product Includes CD-ROM Containing:

- PC Object Code Library
- API Header Files
- User's Manual (Installation, Getting Started, API Specification)
- Sample application code
- Sample application executable



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