



## **Cubes Decoder – Fact Sheet**

The Cubes Secure Digital Music establishes the syntax and decoding process for compressed encrypted audio bit-streams. Cubes have three distinct layers for compression and two layers of encryption. The article further elaborates on the technical descriptions of the Cubes Technology.

Cubes support bit-rates in the range of 32kbps to 448 kbps at sampling frequencies of 32 KHz, 44.1 KHz and 48 KHz.

Encryption in cubes use Triple DES and Blowfish.

Plug-in's are available for Winamp and CODEC for Windows Media Player

## **Features of HiPACE Cubes Decoder**

- Computationally efficient reference C implementation.
- Floating point, 24 bit fixed point and 16 bit fixed point versions available for different kinds of DSPs.
- Limited Accuracy version for reduced MIPS applications
- Optional Sample Rate Converter is available
- Error resilience.

## **Applications:**

- Licensing of Music Distributed by File Sharing Systems
- Internet Audio and Streaming
- Automobile Multimedia
- Digital Audio Broadcasting
- Digital Video Broadcasting
- Portable Audio Players and CD players

## **Contact:**

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