

SDM Family

D e c o d e r B o a r d s

Standard definition MPEG-1-2 decoder

■ DESIGNED FOR DEVELOPERS

The SDM Family Standard-Definition Decoders have a wide variety of outputs and features. The family includes a full range of decoders suitable for any application from digital signage to professional broadcast. Models range from the SDM230 offering analog video outputs and a single pair of unbalanced analog audio outputs, to the full-featured SDM290e offering multi-channel audio, LTC, RS422 control and other advanced features. All SDM Family products decode full MPEG 4:2:2 profile up to 50Mbps. They provide continuous, frame-accurate, seamless back-to-back playback of all standard MPEG-2 streams. All decoding takes place in hardware.

The Stradis Developer Kit (SDK/API) makes integrating the **SDM Family** into video systems fast and easy. It gives applications complete control over all functions. The Stradis SDK/API allows software written for the **SDM Family** to be used with any current model Stradis decoder product. The SDK/API supports multiple **SDM Family** decoders in a single computer with synchronized playback across all cards.

■ KEY BENEFITS

• Outputs

Video:

- Analog & Digital Video Outputs
- NTSC & PAL

Audio:

- Digital & Analog Audio Outputs

• Cost Effective

SDK Architecture dramatically reduces time to market

• MPEG Streams

MPEG-1

MPEG-2 (4:2:0 & 4:2:2)

Decodes up to 50Mbps



TECHNICAL SPECIFICATIONS

4 SDM boards	SDM230	SDM260e	SDM280e	SDM290e
--------------	--------	---------	---------	---------

Supported Formats	Video Formats	NTSC / PAL	NTSC / PAL	NTSC / PAL	NTSC / PAL
	Picture Size	SD	SD	SD	SD
	Chroma Sampling Format	4:2:2 & 4:2:0	4:2:2 & 4:2:0	4:2:2 & 4:2:0	4:2:2 & 4:2:0
	Color Standards	NTSC / PAL	NTSC / PAL	NTSC / PAL	NTSC / PAL
	Maximum Video Bit Rate	50 Mbps	50 Mbps	50 Mbps	50 Mbps

Video Outputs	Video Outputs: Digital	-	-	SDI	SDI
	Video Outputs: Analog	Composite (RS-170-A) YPbPr	Composite (RS-170-A) YPbPr	Composite (RS-170-A) YPbPr	Composite (RS-170-A) YPbPr

Audio Outputs	Embedded Audio Channel	-	-	8	8
	Audio Outputs: Digital	S/P-DIF	-	AES3 (1)	AES3 (2)
	Audio Outputs: Analog	Unbalanced (2) / Unbalanced (CDROM Style) (2)	Balanced (2) / Unbalanced (CDROM Style) (2)	Balanced (2) / Unbalanced (CDROM Style) (2)	Balanced (4) / Unbalanced (CDROM Style) (2)

Advanced Features	RS-422 control	-	-	-	Yes
	Linear Time Code Output	-	-	-	Yes
	Genlock/Reference Input	-	Yes	Yes	Yes
	Vertical Interval Time Code	Yes	Yes	Yes	Yes
	Video Adjustments	Yes	Yes	Yes	Yes
	PCI-Bus Interface	Yes	Yes	Yes	Yes
	CE Marked	Yes	Yes	Yes	Yes
	RoHS Compliant	Yes	Yes	Yes	Yes

Developers Resources	Operating Systems	Vista / XP / 2000	Vista / XP / 2000	Vista / XP / 2000	Vista / XP / 2000
	Development Kits	SDK/API / Accessories	SDK/API / Accessories	SDK/API / Accessories	SDK/API / Accessories

Minimum Configuration	> P3 - 800 MHz, 512 MB RAM	> P3 - 800 MHz, 512 MB RAM	> P3 - 800 MHz, 512 MB RAM	> P3 - 800 MHz, 512 MB RAM
Recommended Configuration	> P4 - 2 GHz, 512 MB RAM	> P4 - 2 GHz, 512 MB RAM	> P4 - 2 GHz, 512 MB RAM	> P4 - 2 GHz, 512 MB RAM

PCI compliance	PCI	PCI	PCI	PCI
----------------	-----	-----	-----	-----

Dimensions of the board	127 x 106.68 mm ("5 x 4.2")	174.63 x 106.68 mm ("6.875 x 4.2")	174.63 x 106.68 mm ("6.875 x 4.2")	174.63 x 106.68 mm ("6.875 x 4.2")
-------------------------	-----------------------------	------------------------------------	------------------------------------	------------------------------------

Power consumption	12.3 W	12.3 W	12.3 W	12.3 W
-------------------	--------	--------	--------	--------

VITEC MULTIMEDIA Inc. USA & Canada

2914 Seagull Drive – Duluth, GA 30096 - USA
 Phone: (678) 580 3165
 Fax: (678) 580 3295
 Email: usa_info@vitecmm.com



VITEC MULTIMEDIA International Sales

99, rue Pierre Sémar – 92324 Châtillon – France
 Phone: +33 1 46 73 06 06
 Fax: +33 1 46 73 06 00
 Email: info@vitecmm.com