

Description

The VDC7004 is a universal decode and display card with four standard definition outputs. Featuring the powerful S7100 software configurable processor, the card is able to decode and display encoded video streams from either Stretch or third-party encoders. CODEC support includes H.264 (Main and High Profile), H.264 Scalable Video CODEC, MPEG4, and MJPEG. The S7100 processor's software-defined architecture ensures that the VDC7004 can be enhanced to decode streams from as yet unreleased encoders with a simple software upgrade.

The VDC7004 can simultaneously decode up to 16 channels of H.264 High Profile encoded video and scale the resulting video streams to fit any user-defined video matrix. Four independent standard definition CVBS outputs provide maximum flexibility to drive up to four video monitors with user-defined video matrix displays. Industry standard CVBS outputs ensure plug-and-play compatibility with a wide variety of consumer and industrial monitors.

The VDC7004 has a high bandwidth PCIe interface for connectivity with host systems. Compressed or raw video data can be transferred over the PCIe bus for decode, scaling, and tiling.

The VDC7004 features Stretch's standard Application Programming Interface (API), ensuring plug and play compatibility with existing Stretch installations and rapid porting of third-party applications.

FEATURES

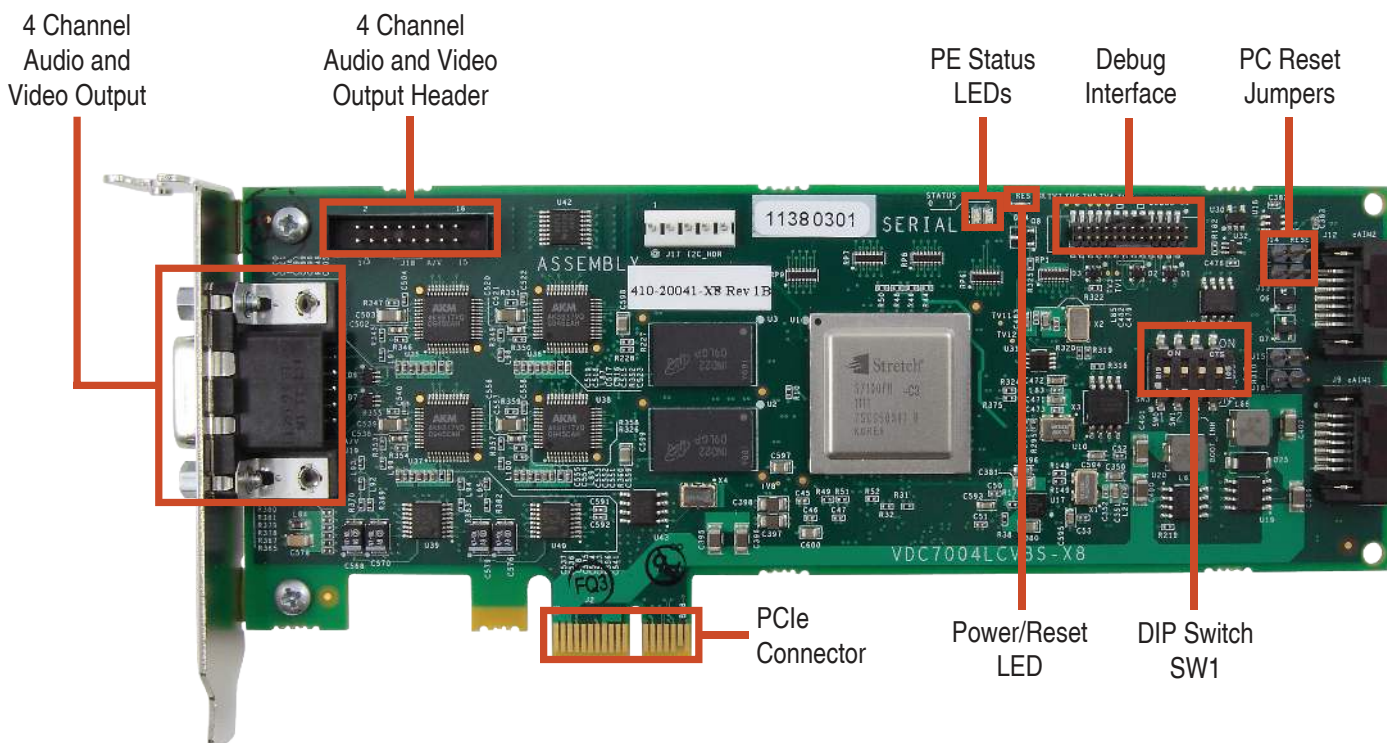
- Multi-CODEC support
- User-defined scaling and tiling
- Dual high definition HDMI outputs

BENEFITS

- Universal video decode of compressed streams
- Four video channels for maximum display flexibility
- Plug-and-play compatibility

APPLICATIONS

- Video surveillance



The VDC7004 is available as a production-ready OEM unit for volume production and can be ordered in either full height or low profile bracket configurations.

The VDC7004 has an Evaluation Kit (EVK) that contains a complete software load for the card, a sample host application, and source code for all included software (the Stretch Intelligent Encoder and CODEC plug-ins are supplied as object code). Stretch EVKs are intended for evaluation purposes and can be used in either full height or low profile applications.

Ordering Information⁽¹⁾

Part Number	Minimum Order Multiple	Description
OEM - VDC7004-H	20	PCIe Decode and Display OEM low profile card, full height bracket
OEM - VDC7004-L	20	PCIe Decode and Display OEM low profile card, low profile bracket
EVK-VDC7004	-	VDC7004 Evaluation Kit

NOTE:

1. Refer to www.exar.com/VDC7004-H , www.exar.com/VDC7004-L, for most up-to-date Ordering Information.

Please contact videotechsupport@exar.com to request a complete datasheet.



www.exar.com

48720 Kato Road
Fremont, CA 94538
USA

Tel.: +1 (510) 668-7000
Fax: +1 (510) 668-7001
Email: videotechsupport@exar.com

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