Description

The VRC7002HD is an HD-SDI compliant, two channel, single-lane PCIe DVR add-in card. It features a S7100 software configurable processor, and can capture two high definition HD-SDI streams and compress them using the H.264 Advanced Video Codec (AVC) High Profile encoder to produce the surveillance industry's best video quality.

The VRC7002HD is also compatible with the Stretch H.264 Scalable Video CODEC (SVC) and can generate encoded streams with up to nine scalable layers. With this flexible mix of temporal and spatial enhancement layers, the encoded streams can be easily moved across constrained bandwidth networks and decoded by client devices with a wide range of compute abilities. Once stored, SVC streams can be easily managed over time to reduce their storage requirements and to reduce surveillance installation operating costs.

The VRC7002HD features Stretch's standard Application Programming Interface (API), ensuring plug and play compatibility with existing Stretch installations and rapid porting of third-party applications.

The VRC7002HD is available as a production-ready OEM unit for volume production and 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.
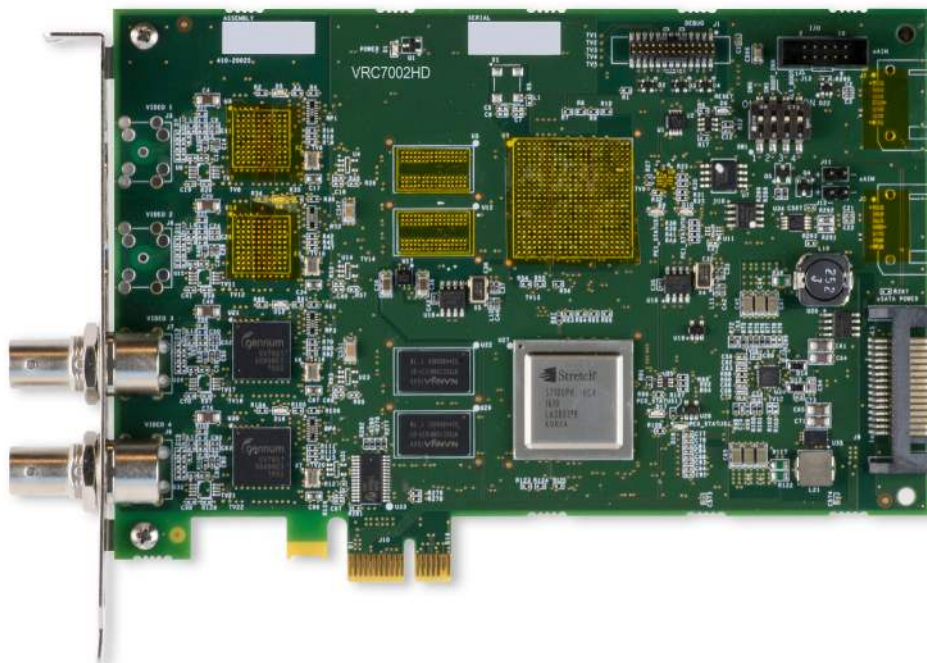
FEATURES
- Two-channel HDcctv capture and compression
- H.264 High Profile Advanced Video Codec (AVC) and Scalable Video Codec (SVC)
- Industry's best video quality
- Compatible with the Stretch DVR Software Development Kit

BENEFITS
- Low system bills of materials
- Low bit rate for reduced storage costs
- Flexible, high quality video archive
- Fast time to market
- Plug-and-play compatibility

APPLICATIONS
- Professional video surveillance DVR systems
- Professional video surveillance hybrid-NVR systems

Ordering Information[1]

Part Number	Minimum Order Multiple	Description
OEM - VRC7002HD	20	High Definition PCIe DVR Add-in OEM card
EVK-VRC7002HD	-	VRC7002HD Evaluation Kit

NOTE:

1. Refer to www.exar.com/VRC7002HD , for most up-to-date Ordering Information.

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

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