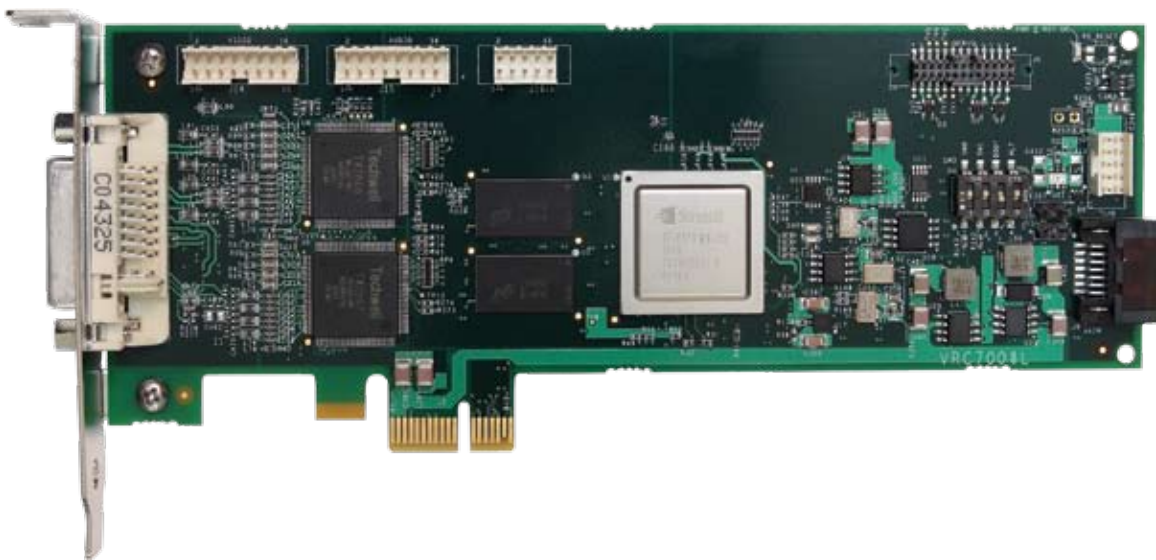




# VRC7008L

## PCIe DVR Add-in Card



# Stretch VRC7008L PCIe DVR Add-in Cards

The VRC7008L PCIe DVR add-in card features the Stretch S7100 software configurable processors and performs encoding on 8 channels of standard definition video at full resolution and frame rate. Extensive video processing coupled with the Stretch High Profile CODEC gives the VRC7008L the best video quality in the industry.

## High Profile H.264 encode

At equivalent quality levels, VRC7008L-compressed streams have one-half the bit rate of those produced by competitors' solutions. This results in a 50% reduction in storage costs for surveillance installations using the VRC7008L. The Stretch Scalable Video CODEC (SVC) provides ultimate flexibility by delivering video over constrained bandwidth networks and allows the stored video to be managed over time, further reducing storage costs.

## Best video quality

The VRC7008L provides one channel of standard definition spot monitor output and can perform scaling and tiling of video into any user-defined arrangement for display. Its high bandwidth PCIe interface allows connectivity with host systems, and the dual-port eAIM interface can be used to connect the card directly to additional Stretch products, including decode and display cards. Multiple channels of high bandwidth raw video data can be moved from card to card for local display on high definition monitors, without consuming host bandwidth.

## eAIM port for high speed connectivity

The VRC7008L 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 VRC7008L is available as a production-ready OEM unit for volume production and can be ordered in either full height or low

profile configurations. The VRC7008L is also available as either an Evaluation Kit (EVK) or a Full Reference Design Kit (RDK). Both kits contain 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 produce watermarked streams. Stretch RDKs can be used as the basis for highly differentiated derivative designs and include a distribution license for the supplied software and hardware design files. Both kits can be used in either full height or low profile applications.

## Key Features

- 8 Channels H.264 High Profile encoding
- SVC for ultimate flexibility
- Industry's best video quality
- High bandwidth inter-card connectivity
- Rich and intuitive API

## Key Benefits

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

## Part Numbers

Evaluation Kit – Includes full height and low profile brackets and watermarked version of the Stretch Intelligent Encoder

- EVK-VRC7008L

Full Reference Design Kit – Includes full height and low profile brackets and non-watermarked version of the Stretch Intelligent Encoder and distribution license for supplied CODECs

- RDK-VRC7008L

OEM Cards – Sold in multiple-unit packaging

- OEM-VRC7008 – Full height
- OEM-VRC7008L – Low profile

