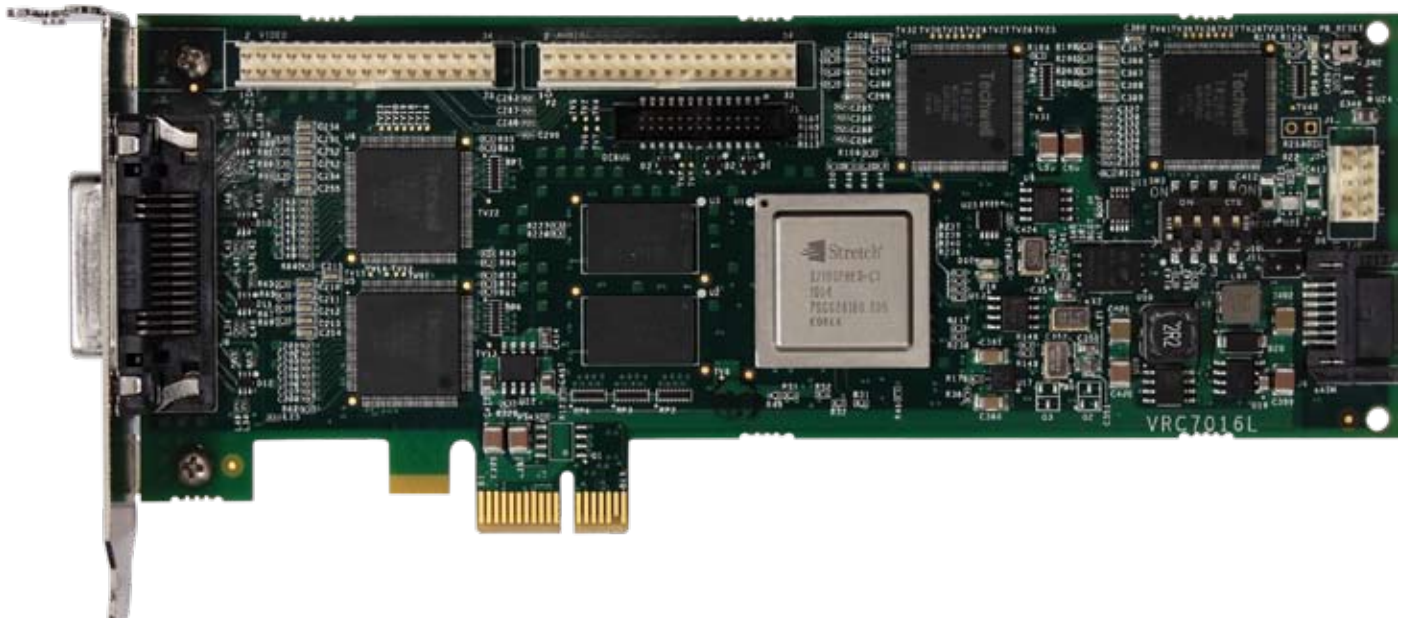




# VRC7016L

## PCIe DVR Add-in Card



# Stretch VRC7016L PCIe DVR Add-in Cards

The VRC7016L 16 channel PCIe DVR add-in card features the Stretch S7100 software configurable processor and performs H.264 High Profile encoding on 16 channels of standard definition video at full resolution and frame rate. The high levels of integration and processing capabilities of the S7100 processor give the VRC7016L the lowest cost per channel in the surveillance industry.

## Lowest cost per channel

Extensive video preprocessing coupled with the power of the Stretch H.264 High Profile CODEC gives the VRC7016L the best video quality in the industry. At equivalent quality levels, VRC7016L-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 VRC7016L.

## Best video quality

The VRC7016L has a high bandwidth PCIe interface for connectivity with host systems and features a single-port eAIM interface that 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 VRC7016L 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 VRC7016L is available as a production-ready OEM unit for volume production and can be ordered in either full height or low profile configurations. The VRC7016L 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.

The VRC7016L is available in two variants: The VRC7016L is a capture and compression only card, and the VRC7016LX features two channels of standard definition spot monitor output and can perform scaling and tiling of video into any user-defined arrangement for display.

## Key Features

- 16 Channels H.264 High Profile encoding
- Industry's lowest cost per channel
- 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

- EVK-VRC7016L
- EVK-VRC7016LX

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-VRC7016L
- RDK-VRC7016LX

OEM Cards – Sold in multiple-unit packaging

- OEM-VRC7016 – Full height
- OEM-VRC7016L – Low profile
- OEM-VRC7016X – Full height
- OEM-VRC7016LX – Low profile

