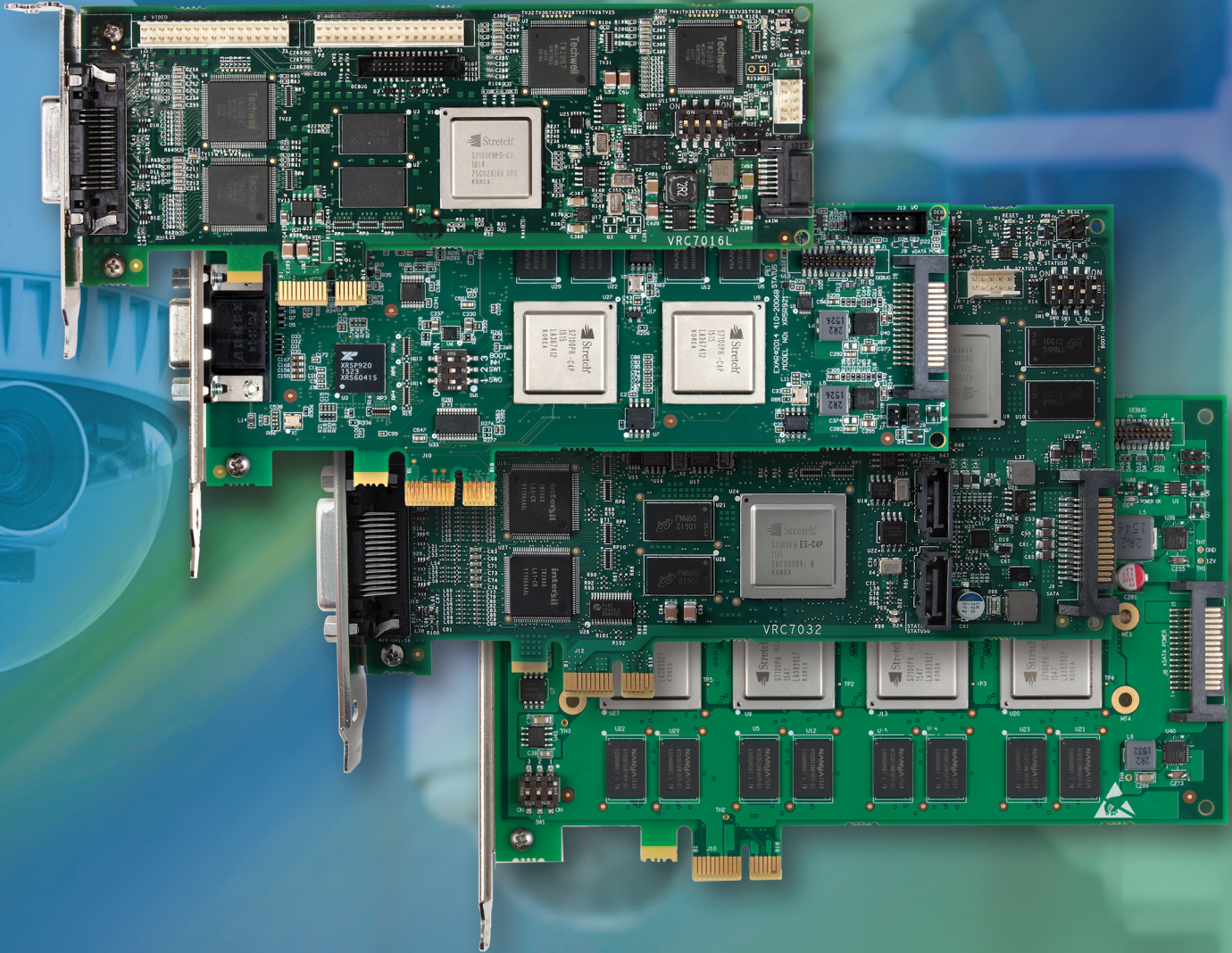


PCIe DVR Add-in Cards



PCIe DVR Add-in Cards

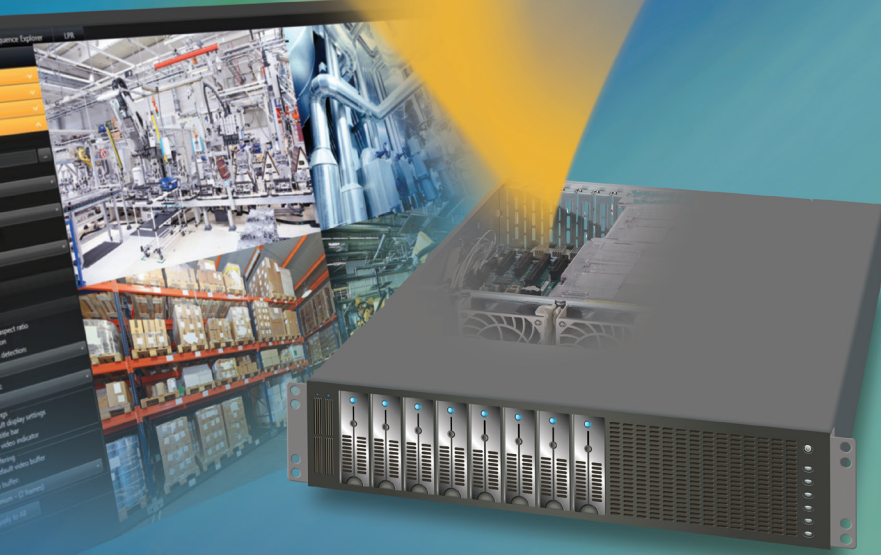
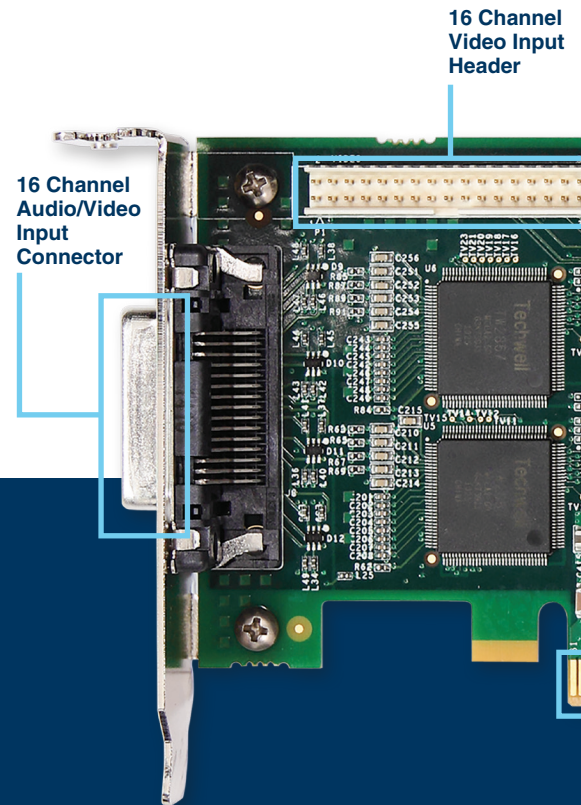
Stretch VRC7000 Series PCIe DVR add-in cards use the power and flexibility of Stretch VRC7000 family processors to deliver the surveillance industry's best image quality at the lowest available cost per channel. VRC7000 cards are optimized for compression and have multi-CODEC, multi-channel capability. VDC7000 cards have universal decode and extensive image post processing capabilities. Both VRC and VDC cards use the same rich and intuitive application programming interface (API) to ensure interoperability and fast time to market with system solutions.

VRC7000 Series Encoding Cards

VRC7000 cards are available in channel densities from 4 to 32 channels and at resolutions ranging from standard definition up to high definition HDcctv. These cards feature the Stretch Intelligent Encoder and have multi-stream, multiCODEC capability, including Stretch H.264 Scalable Video CODEC (SVC) and Stretch H.264 High Profile CODEC. These CODECs produce the surveillance industry's best video quality at the lowest bit rate and produce streams that can be managed with unprecedented ease. The result is outstanding quality video that is accessible to diverse client devices and that can be stored for long periods at a fraction of the cost of conventional solutions.



VRC7000 Family PCIe DVR Add-in Card

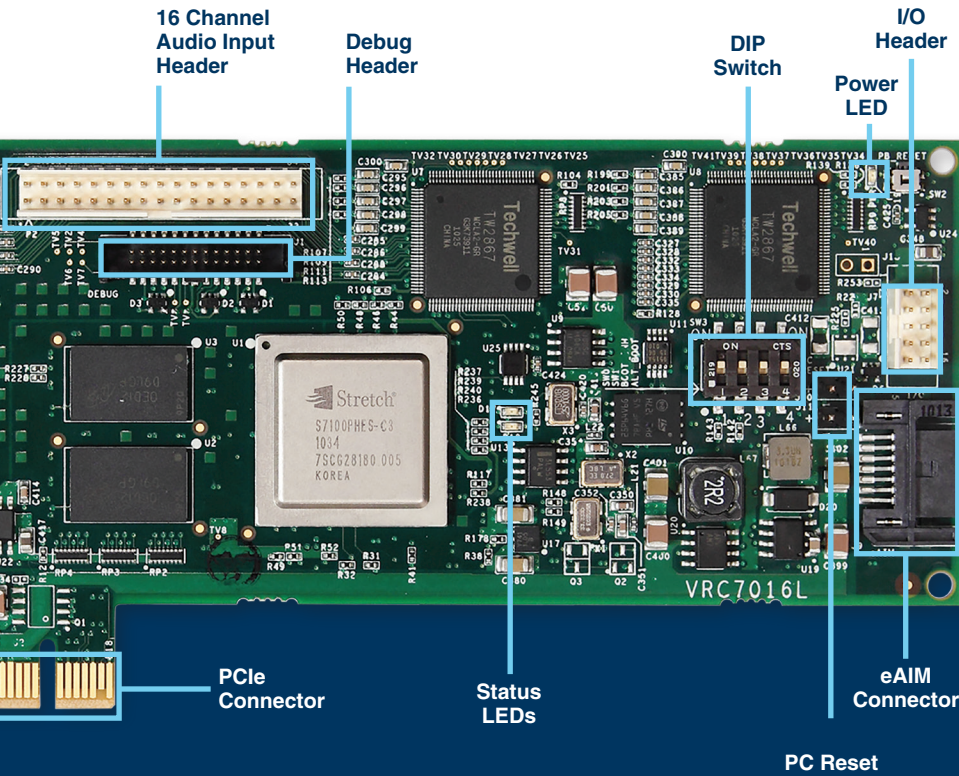


VDC7000 Decode and Display Cards

VDC7000 cards are optimized for decode and use the power and flexibility of S7000 software configurable processors to ensure universal decode capability. Simple software downloads ensure that the decode cards remain compatible with both existing streams and those yet to be released. Output video interface options include high definition HDMI and HDcvtv, and standard definition CVBS. Extensive video post processing, scaling, and captioning allow multiple streams of decoded or raw video to be displayed in user-defined configurations. With crystal clear high definition output and universal decode ability, these cards deliver true hybrid capability to Windows or Linux PC-based DVR systems.

System Integration

All S7000 Series PCIe DVR add-in cards are compatible with the same Exar Software Development Kit (SDK). The common API means that once ported to the SDK, host application software can be used with different card combinations to deliver systems meeting required capabilities. The simplicity and wealth of API calls means that products can be rapidly brought to market re-using the existing host application software.



OVERVIEW

OEM-VRC7032	32 D1 Encode; 2CVBS
OEM-VRC7016X(E)	16 D1 Encode; 2CVBS
OEM-VRC7016	16 D1 Encode
OEM-VDC7004	16 D1 Encode; 4CVBS
OEM-VDC7002HDMI	16 D1 Encode; 2HDMI
OEM-VRC7008(E)	8 D1 Encode; 1 CVBS
XR5R931	8 HD-CVI Encode
OEM-VRC7004HD	4 1080p30 Encode
XR5R921	4 HD-CVI Encode
OEM-VDC7002HD	2 1080p30 HD-SDI Decode

FEATURES

- 4-32 channels of encode
- 2-4 channels of decode and display
- Short form factor with standard height and low profile bracket options
- Firmware consistent for whole family

BENEFITS

- Plug n play ease of use
- CODEC produces highly compressed bit streams saving disk space and conserving network bandwidth
- SVC encoded streams can be parsed to reduce their network bandwidth, decode compute, and storage requirements.

APPLICATIONS

- PC-based Digital Video Recorder (DVR)
- Hybrid Network Video Recorder (NVR)

PCIe DVR Add-in Cards

Ordering Codes	Form Factor	Multi-Stream Encode/Decode	Display	Connectivity
XR5R931	Full Height Short Form	8 HD-CVI Encode	None	BNC breakout adapter cable, Embedded I/O headers
XR5R921-L XR5R921-H (full height)	Low Profile Short Form	4 HD-CVI Encode	None	BNC breakout adapter cable, Embedded I/O headers
OEM-VRC7004HD	Full Height Short Form	4 HD-SDI Encode	None	BNC connectors on back panel
OEM-VRC7002HD	Full Height Short Form	2 HD-SDI Encode	None	BNC connectors on back panel
OEM-VRC7032	Full Height Short Form	32 D1 Encode	2 CVBS	BNC breakout adapter cable, Embedded I/O headers
OEM-VRC7016XE-L OEM-VRC7016XE-H (full height)	Low Profile Short Form	16 D1 Encode	2 CVBS	BNC breakout adapter cable, Embedded I/O headers
OEM-VRC7016X-L OEM-VRC7016X-H (full height)	Low Profile Short Form	16 D1 Encode	2 CVBS	BNC breakout adapter cable, Embedded I/O headers
OEM-VRC7016-L OEM-VRC7016-H (full height)	Low Profile Short Form	16 D1 Encode	None	BNC breakout adapter cable, Embedded I/O headers
OEM-VRC7008E-L OEM-VRC7008E-H (full height)	Low Profile Short Form	8 D1 Encode	1 CVBS	BNC breakout adapter cable, Embedded I/O headers
OEM-VRC7008-L OEM-VRC7008-H (full height)	Low Profile Short Form	8 D1 Encode	1 CVBS	BNC breakout adapter cable, Embedded I/O headers
OEM-VDC7004 (full height)	Low Profile Short Form	16 D1 Decode	4 CVBS	BNC breakout adapter cable
OEM-VDC7002HDMI-L OEM-VDC7002HDMI-H	Low Profile Short Form	16 D1 Decode	2 HDMI	HDMI

All PCIe DVR add-in cards consist of the hardware card only and are sold in multiple-unit packages in either full height or low profile configurations. An optional software package is available to provide a rich API (Application Programming Interface). Using this optional software load, OEMs and system integrators can easily combine these PCIe DVR cards with highly differentiated application software to bring high performance system solutions to market.



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