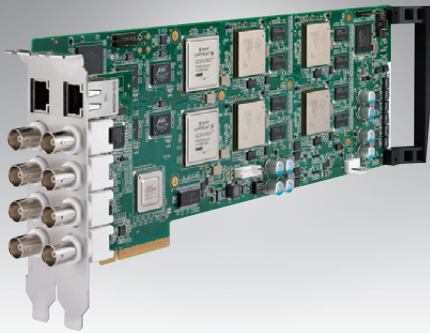


# DSPC-8662-PCXE

8-Ch 3G-SDI PCIe Video Acquisition Card with SDK

Preliminary



## Features

- Powered by quad TI TMS320DM8168 SoC
- 8-channel SD-SDI / HD-SDI / 3G-SDI video + audio inputs
- Supports H.264 / MJPEG / RAW HW compression
- Up to 60 fps at Full HD (1080p) resolution per channel
- Dual 10/100/1000Mbps LAN ports
- Multi-port Ethernet and PCIe Express switch support
- Embedded with digital signal processor for 3rd party program implementation
- SDK with sample codes



## Introduction

DSPC-8662-PCXE is an advanced PCIe video acquisition card with the support of 8-channel Serial Digital Interface (SDI) video and audio inputs. DSPC-8662-PCXE is capable to perform multi-channel of H.264 / MJPEG / RAW compression with up to Full HD 1080p resolution at 60fps in each channel (total 480fps simultaneously). Designed for video broadcasting applications, DSPC-8662-PCXE lets users easily capture, encode and distribute multi-channel live video contents through Ethernet or PCI Express interface with the built-in switch support. For video surveillance applications, DSPC-8662-PCXE can execute some powerful 3rd party programs like vision analytics functions by the on-chip high-performance DSP (Digital Signal Processor) that save the host computing resources. With an easy-to-use software development kit (SDK), DSPC-8662-PCXE is an ideal solution for system integrators to implement versatile video applications, to fulfill various customers' requirements.

## Specifications

Video Input	Channels	8
	Input Format	SD-SDI / HD-SDI / 3G-SDI
	SDI Standards	SMPTE 259M / 292M / 344M / 424M (depends on the performance of the inputs device)
	Resolution	Up to 1920 x 1080p (Full HD 1080p)
	Compression	H.264 / MJPEG / RAW
	Max. Frame Rate	480 fps at Full HD 1080p (up to 60fps per channel)
	Bit Rate Control	CBR / VBR / ABR
Connectors	BNC	
Audio Input	Channels	8
	Format	RAW
	Sampling Rate	Up to 16-bit, 44KHz, stereo
	Connectors	BNC (shared with video inputs)
Peripherals & Accessories	LAN Port	10/100/1000 Mbps LAN port x2; RJ-45 connector
	Data Bus	PCIe Gen-2 x8
Physical Characteristics	Power Consumption	< 60W
	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Dimensions	270 x 111.15 mm (10.63" x 4.38")
Software	Supported OS	Windows XP / XPe / Vista / 7 Linux
	SDK	User's Manual Programming Guide Sample Codes
	Demo Program	8ch 3G-SDI video capture and H.264 encoding at PCIe device mode

