

VE-7004

4-CH, H.264, PCIe, 120fps D1 Resolution, Multi-CODEC



Key Features

- 4 channel live view, H.264 hardware compression.
- 120fps recording rate, support full D1 resolution compression for clear images with less CPU loading.
- Real time video and audio compression, no frames lost.
- Multi-CODEC intelligent encoding with constant quality modes.
- Standard PCIe card, one PC can support up to 64 channels (with VE-7016)

Overview

The Vecow VE-7004 is an advanced and high performance 4-channel hardware compression card with a PCIe interface. Capable of full D1 compression at 120fps using the highly efficient H.264 CODEC, the card breaks new ground in channel density and performance. VE-7004 board uses fully optimized algorithm based on DSP technology to implement video & audio real-time encoding, active video & audio preview and motion detection, etc. Video image is directly transmitted from board to display frame buffer and compressed stream is also directly sent to host's memory. The result is a dramatic reduction in bit rates with a corresponding reduction in storage and operating.

Specification

Mechanical	
Interface	PCIe x1
DVI	1
Dimensions	156 x 95 x 17 mm
Shipped With Cable	1
Certifications	FCC, CE, RoHS Compliance

Video	
Maximum Channel Number	4
Video Input Connector	4 Input BNC to DVI
Total Recording Rate	4 CH, 120 fps (NTSC) / 100 fps (PAL) @D1 D1 (NTSC: 720 x 480 / PAL: 720 x 576) CIF (NTSC: 360 x 240 / PAL: 360 x 288)
Resolution	4CIF (NTSC: 704 x 480 / PAL: 704 x 576) DCIF (NTSC: 528 x 320 / PAL: 528 x 384) QCIF (NTSC: 180 x 120 / PAL: 180 x 144)
Video Compression Format	H.264 / MJPEG

Audio	
Maximum Channel Number	4
Audio Input Connector	4 Input RCA to DVI
Audio Compression Format	G.711

Other Features	
Video Output Modes	NTSC / PAL Analog "Rolling" SMO or Matrix Display Support Live View
Video Preprocessing	De-Interlacing User-Defined Captioning Overlays Motion Detection
Analytics	Blind and Tamper Detection Night Detection
Privacy Regions	User-Defined Privacy Regions
OS Support	Windows XP, Vista / Linux RHEL5.2 / CentOS 5.2
Alarm and Trigger Support (Only Available on Optional Daughter Cards)	4 Optically Isolated Inputs 4 Relay Outputs

Ordering Information

Part Number	Description
VE-7004	4-CH, H.264, PCIe, 120fps D1, Multi-CODEC, 1 Cable included
CB-150441	Cable with 4-CH Video Input (BNC) and 4-CH Audio Input (RCA) to DVI



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