

PC-BASED DVR BOARD--F Series

Video and audio H.264 DSP compression card

Overview

F series compression card using TI TMS320DM642 DSP chip, loading the H.264 algorithm - a real 4*4 DCT transformation; 1/4 pixel motion estimation for increasing accurate motion compensation and greater coding gain; with superior stability, excellent image quality, and a high compression ratio.



Model




DH-VEC1604F	16 channel video and audio compression card
DH-VEC0804F	8 channel video and audio compression card
DH-VEC0404F	4 channel video and audio compression card

Features

- H.264 compression algorithm with high compression ratio and excellent image quality.
- Realtime video and audio synchronous compression with no frame loss.
- Supports 4CIF realtime preview for up to 64 cameras (VEC0404F supports up to 32 cameras).
- Supporting multiple resolution recording: 4CIF, 2CIF, CIF, QCIF; and supports 4CIF recording with 12fps (PAL)/15fps (NTSC) for all channels.
- Dual encoding streams supported for flexible network transmission.
- Supports variable bit and frame rates.
- Provides full SDK and demonstration with source code.
- Smart video detection: Motion detection, defined motion areas, camera blanking, video loss.
- Smart camera settings: Privacy masking, camera lock, color setting, and title display.
- Supports OSD, LOGO, and MASK Overlay.
- Supports Windows 2000/XP/2003/Vista and Linux operation system.
- Complies with PCI 2.2 standard.

PC-BASED DVR BOARD--F Series

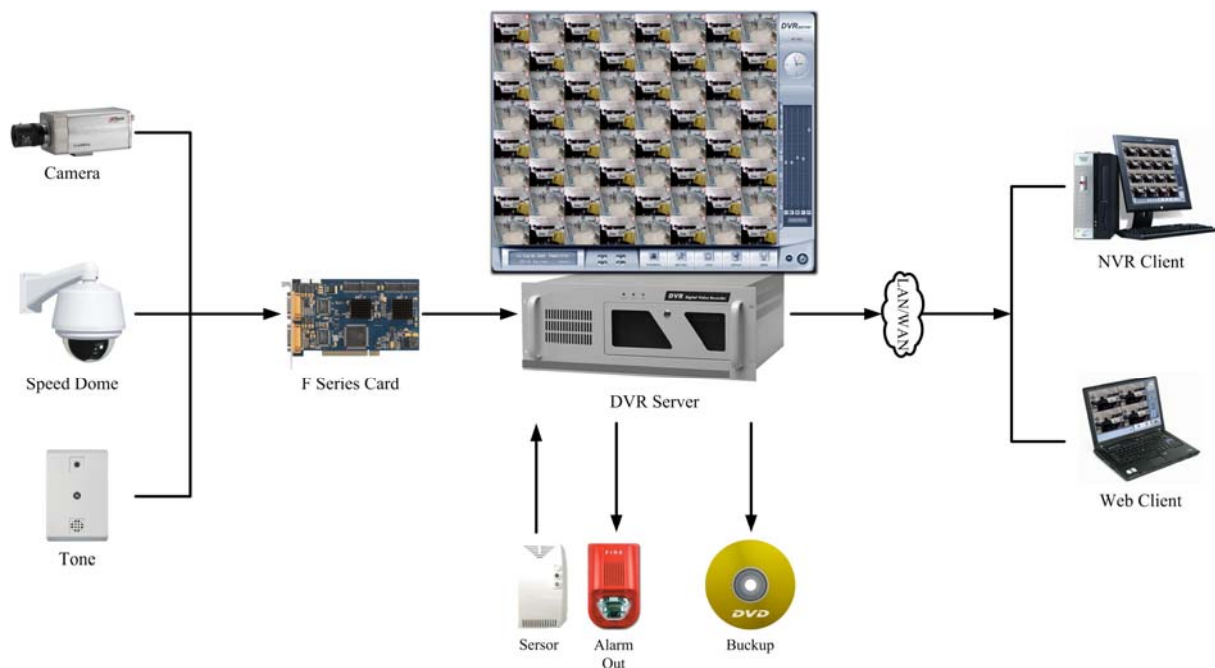
Specifications

Model	DH-VEC1604F	DH-VEC0804F	DH-VEC0404F
			
General			
DSP Model	TMS320DM642		
PCI Standard	PCI 2.2		
Video			
Video Input	16 channels BNC, 1.0Vp-p, 75Ω	8 channels	4 channels
Video Standards	PAL(625 Lines, 50f/s), NTSC(525 Lines, 60f/s)		
Preview Resolution	4CIF, realtime		
Video Compression	H.264		
Recording Resolution	16-ch 2CIF/CIF/QCIF realtime, or 8-ch 4CIF realtime, or 16-ch 4CIF not realtime	8-ch 2CIF/CIF/QCIF realtime, or 4-ch 4CIF realtime, or 8-ch 4CIF not realtime	4-ch 2CIF/CIF/QCIF realtime, or 2-ch 4CIF realtime, or 4-ch 4CIF not realtime
Video Resolution	Format	PAL	NTSC
	4CIF (D1)	704*576	704*480
	2CIF	704*288	704*240
	CIF	352*288	352*240
	QCIF	176*144	176*120
Dual Stream	Supported		
Video Recording	PAL: 1f/s~25f/s, NTSC: 1f/s~30f/s		
Bit Rate	32Kbps~4Mbps		
Stream Type	Video stream or Video and Audio stream		
Video Display Split	Full and multiple screen display, 1/4/8/9/16/25/36/48/49/64		
Audio			
Audio Input	16 channels BNC, 200-2800mV, 30KΩ	8 channels	4 channels
Audio Compression	PCM/ADPCM, 8bit/8KHz or 16bit/8KHz		
Audio Output	32Kbps		
Environmental			
Operating System	Windows 2000/ XP/2003/Vista, Linux		
CPU	Intel		
Motherboard	Based on Intel chipset		
Memory	256MB or above		
Graphics	NVIDIA, AMD-ATI independent graphics cards, memory 64M or above, or onboard integrated Intel graphics		
Power Consumption	11W	7W	3W

PC-BASED DVR BOARD--F Series

Working Temperature	-10°C ~+55°C		
Working Humidity	10%~90%		
Atmosphere Pressure	86kpa~106kpa		
Dimension	257mm*106.6mm	182.5mm*106.6mm	152.5mm*93.2mm

System Sample



Application

Recommended installation areas are Securities Companies, Change Booths, Casinos, Pawnshops, Jewelers, Galleries, Exhibition Halls, Department Stores, Convenience Stores, Discount Offices, Hospitals, Police Stations, Subway Stations, Airports, and Banks etc.

Dahua Technology

No.1187, Binan Road, Binjiang District, Hangzhou, China

Tel: +86-571-87688883

Fax: +86-571-87688815

Email:overseas@dahuatech.com

www.dahuasecurity.com

*Design and specifications are subject to change without notice.

© 2009 Dahua Technology Co.,Ltd.