Analog HD(1080P) X 16 Ch, 480 FPS

16 Channel Full-HD Compression Card for HD-TVI, HD-CVI, AHD, and Analog cameras

Features

• 16 Ch video hardware compression card, based on H.264 standard; 8 CH Audio compression, but expandable to 16 CH with an audio expansion card.

• 16 channel 1080P(25,30)/720P(25,30,50,60) from all kinds of analog HD cameras (HD-TVI, HD-CVI, AHD, and analog cameras)

• Supporting up to FHD 1080P of 16 CH in real time live view

• 16 channel full-HD video compression
  1080P @ 480 fps + VGA(640x480) @ 480fps, substream

• 8 channel G.711 audio compression, but up to 16CH audio with the expansion sub-card

• Support of motion detection, video loss, and camera masking detection function; support of OSD, logo overlay configurable video frame rate, etc.

• Support of uncompressed video of FHD 1080P sized, for preview

• Support of 1 channel 1920*1080 HDMI output, plus 1 channel CVBS(NTSC/PAL(black and white) TV out.

• PCI-E x 1 lane port, Gen 1.

• Two jumpers are provided. One(8X2) for audio expansion sub card. The other (12X2) for sensor inputs and triggering output signals.

• SDK in Windows OS, or Linux OS (under going), suitable for the additional secondary developments.

Specifications

Model		HW video compression card for all Analog HD cameras (HD-TVI, HD-CVI, AHD, and analog cameras)
General	Encoder	The CoDec, UQ3388, from UbiqMicro
	PCI Standard	PCI-Express 1.0x
	Multi-Card Operation	Support max 2 cards, leading to the application s of 32 Channels for a single PC
	Sub Card	Additional 8 channel audio input(RCA), with an audio expansion sub card
Video	Input	BNC, 16 channel for all kinds of Full HD cameras(HD-TVI, HD-CVI, HD- AHD, and even analog cameras)
	Standard	1080P(25,30)/720P(25,30, 50, 60)
	Preview Resolution	Max 1080P(1920×1080) sized, in real time; Support of main preview and sub preview
	Compression	H.264
	Encoding Resolution	Max 1080P(1920×1080) for each 16 CH, each 30 FPS
	Encoding Speed	Main Stream: 16 CH X 1080P X 30 FPS each, or 16Ch X 720P X 60 FPS each,
		Extra Sub-Stream: Max 640X 480 with Max 480 fps
	Bit Rate	256Kbps~10Mbps, each
	Compressed Stream	Main Stream + Sub-Stream
	Output	1 channel HDMI (1920×1080). In addition, 1 CH CVBS(NTSC or PAL (Black and White)) TV out.
		1/16 display split, with 4X4 configuration.
Audio	Input	8 channel, RCA input and additional 8 more audio support with audio expansion sub card.
	Compression	PCM, G.711-A law, Mu law, ADPCM
	Sampling Rate	8, 16bit (8KHz, 16KHz,32KHz, 44.1Khz)
	Bit Rate	Min 64 Kbps
Miscel	Camera setting over Coax	Supporting UTC communication protocols for AHD/CVI/TVI cameras.
	Watch dog	Support in Hardware, Flashing LED and Alarming beep.
System Requirement	Operating System	Windows 7/8/10, Linux
	CPU	Intel or AMD
	Motherboard	Based on Intel or AMD chipset, PCI-E slot
	Memory	8 GB or above
	Graphics	AMD, NVIDIA, Intel graphics cards.
Environmental	Working Environment	-10~+55℃ / 10~90%RH / 86~106kpa, F
	Power Requirement	12V±10%, 3.3V±10%
	Power Consumption	20 W less
	Dimension	220 mm × 115 mm