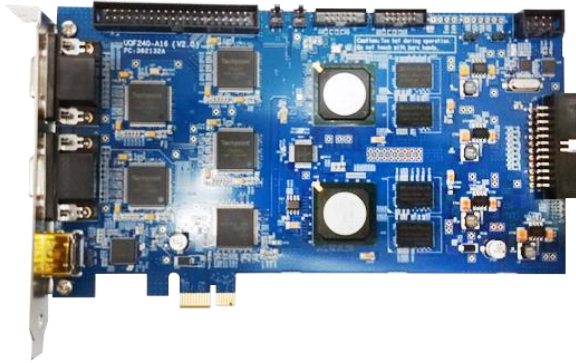# Analog HD(1080P) X 16 Ch, 300 FPS

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

Features

- Video hardware compression card, based on H.264 standard; 8 Ch Audio compression, but expandable to 16 Ch with 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 of FHD(1080P) compression, each 15 FPS, plus its dual substream.
- 8 channel G.711 audio compression, but upto 16Ch audio with the expansion sub-card
- Support of motion detection, video loss, and camera masking
- function; support of OSD, logo overlay, video frame rate, frame rate dynamic setup, etc.
- Support of uncompressed video of Max FHD 1080P sized to PCI_E bus and JPG snapshot function
- 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
  - Two jumpers are provided. One(8X2) for audio expansion subcard. 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 4 cards, leading to the application s of 64 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, AHD, and even analog cameras)
	Standard	1080P(25,30)/720P(25,30, 50, 60)
	Preview Resolution	Max 1080P(1920×1080) sized, in realtime; Support of main preview and sub preview
	Compression	H.264
	Encoding Resolution	Max 1080P(1920×1080) for each 16 Ch, each 15 FPS
	Encoding Speed	Main Stream: 16 Ch X 1080P X 15 FPS each, or 16Ch X 720P X 30FPS each,
		Extra Sub-Stream: Max 1080P/8 with Max 30 fps
	Bit Rate	256Kbps~10Mbps, each
	Compressed Stream	Support, Full-channels at 1080P, 720P, 1080P/8, 720P/8, including other sub-streams.
	Output	1 channel HDMI (1920×1080). In addition, 1 Ch CVBS(NTSC or PAL (BlackWhite)) TV out.
		1/16 display split, Supporting Tour function
Audio	Input	8 channel, RCA input and additional 8 more audio support with audio expansion subcard.
	Compression	PCM, G.711-A law, Mu law, ADPCM
	Sampling Rate	8, 16bit (8KHz, 16KHz,32KHz, 44.1Khz)
	Bit Rate	Min 64 Kbps
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
	Power Requirement	12V±10%, 3.3V±10%
	Power Consumption	15 W less
	Dimension	160 mm × 100 mm