4K PC DVR CARD - V4K-6004
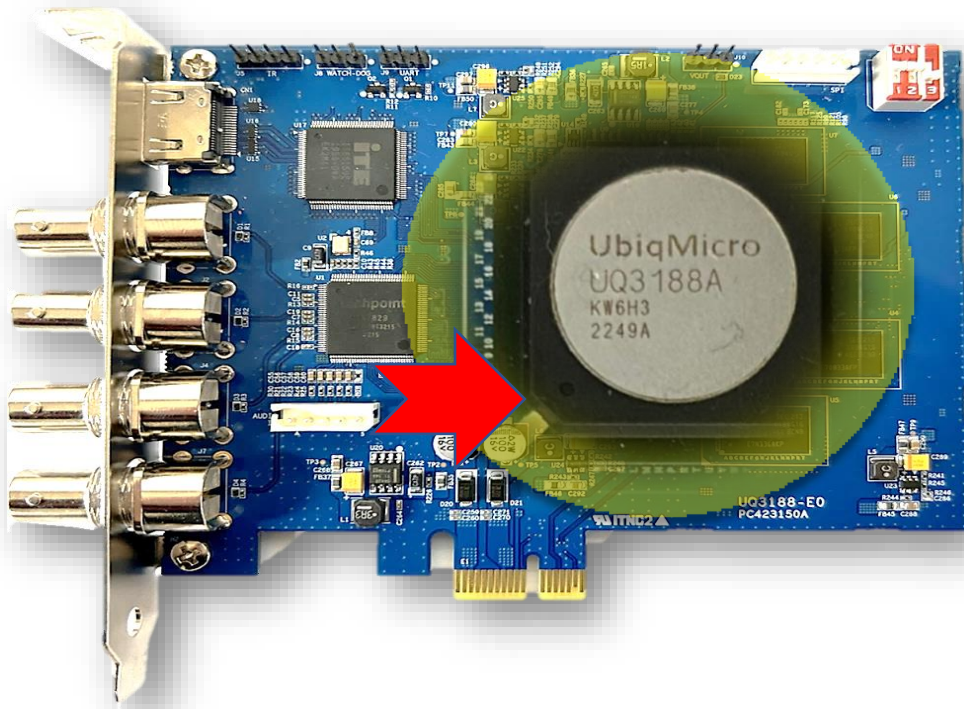
4ch UHD Compression Card for AHD, TVI, CVI, and Analog cameras

CoDec, UQ3188 major feature

H.264 MPEG-4/AVC — Video hardware compression chip (H.264 standard)

≋Dual-Stream First stream: 2160P , Second stream: VGA(640x480)

Fisheye Lens correction, panoramic view, and virtual PTZ view.

Encryptions Algorism(AES128, AES256, DES, 3DS)

SDK — Powered by Linux — Windows

V4K-6004 Features

- Video hardware compression card, based on H.264 standard; Audio input up to 4 channels can be supported with an expansion sub-card.
- 4 channel 2160P(15)/1080P(25,30,60)/720P(25,30,50,60) from all kinds of analog HD cameras (HD-TVI, HD-CVI, AHD, and analog cameras)
- Supporting up to UHD 2160P in real time live view
- 4 channel UHD video compression 2160P @ 60 fps + VGA(640x480) @ 60fps
- 4 channel G.711 audio compression.
- Support of motion detection, video loss, and camera masking function; support of OSD, logo overlay configurable video frame rate etc.
- Support of uncompressed video of Max UHD 2160P sized
- Support of 1 channel 1920*1080 HDMI output, plus 1 channel CVBS TV out.
- PCI-E x 1 lane port
- 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.
- Support Fisheye Lens correction, panoramic view, and virtual PTZ view

Specifications

Model		HW video compression card for all Analog HD cameras
General	Encoder	The CoDec, UQ3188
	PCI Standard	PCI-Express 1.0x Gen2
	Multi-Card Operation	Support max 4 cards, leading to the application s of 16 Channels for a single PC.
	Sub Card	Additional 4 channel audio input(RCA), 1 channel matrix output(CVBS), with an expansion sub card
Video	Input	BNC, 4 channel for all kinds of UHD cameras(HD-TVI, HD-CVI, AHD, and even analog cameras)
	Standard	2160P(15)/1080P(25,30,60)/720P(25,30, 50, 60)
	Preview Resolution	Max 2160P(3840×2160), sized, in real time; Support of main preview and sub preview
	Compression	H.264
	Encoding Resolution	Max 2160P(3840×2160) for each 4CH
	Encoding Speed	Main Stream: 4CH X 2160P X 15 FPS each, or 4Ch X 1080P X 60 FPS each,
		Extra Sub-Stream: Max 640x480 with Max 120 fps
	Bit Rate	256Kbps~10Mbps, each
	Compressed Stream	Main Stream + Sub-Stream
	Output	1 channel HDMI (1920×1080). In addition, 1 CH CVBS TV out.
		1/4 display split, with 2x2 configuration.
Audio	Input	4channel, RCA (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 communication protocols for AHD/CVI/TVI cameras.
	Watch dog	Support in Hardware
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	10 W less
	Dimension	140 mm × 100 mm