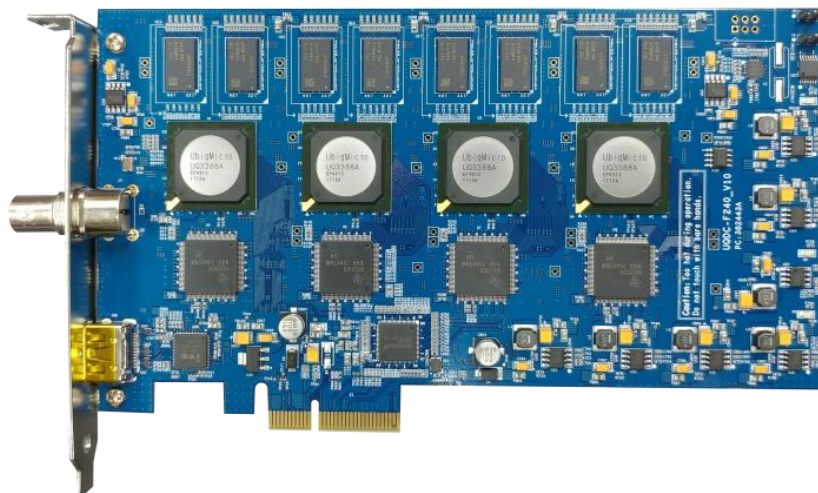


# FHD(1080P) X 16 Ch, 480 FPS Decoding

16 Channel Full-HD (1080P) Card for Hardware De-Compression



## Features

- Video hardware de-compression card, based on H.264 standard;
- Decoding capability; 1080P X 480 FPS (16 Ch ). Bandwidth of PCI EXP 2 Lane (Gen2,Gen3): 1080P X 240 FPS, Any combination of Frame Rate assignable for each channel.
- Support of major brands of IP cameras.
- Support of Cuda type APIs.
- SDK in Windows OS, or Linux OS (under going), suitable for the additional secondary developments.

## Specifications

Model		Hardware video de-compression card for IP Cameras or compressed bit streams.
General	Decoder	The CoDec, UQ3388, from UbiqMicro
	PCI Standard	PCI-Express Gen2 or Gen3, up to data rate of 800MBytes per second.
	Multi-Card Operation	Support max 4 cards, leading to the applications of 64 Channels for a single PC.
Video	Input	Compressed bit streams from IP cameras
	Standard	1080P(25,30,60)/720P(25,30, 50, 60), inclusive of NTSC, PAL
	De-Compression	H.264
	Decoding Speed	Max 1080P(1920×1080) X 480 FPS ( 16 Ch, each 30 FPS)
	Transfer Bandwidth	Data Rate of 1080P X 240 FPS (16 Ch X 15 FPS each)
	PCI Exp 2 Lane X Gen 3	Any combinations of frame rates assignable for each channel
	Bit Rate	256Kbps~10Mbps, each
	Compressed Stream	Supports of main stream and substreams.
Audio	Output	1 channel HDMI (1920×1080), including 1/16 display split, supporting Tour function.
		Not Supports.
System Requirement	Operating System	Windows 7/8/10, Linux
	CPU	Intel or AMD
	Motherboard	Based on Intel or AMD chipset, PCI-E 2 Lanes of Gen2 or Gen3 slot
	Memory	8 GB or above
	Graphics	AMD, NVIDIA, Intel graphics cards.
Environmental	Working Environment	-10~+55°C / 10~90%RH / 86~106kpa
	Power Requirement	12V±10%, 3.3V±10%
	Power Consumption	25 W less
	Dimension	160 mm × 100 mm

\*\* APIs are supported similar to those of CUDA

\*\* Some cameras cannot be decodable, for which can be decodable by PC-CPU. Therefore, it is advised to check whether a camera is to be decodable, before installments.