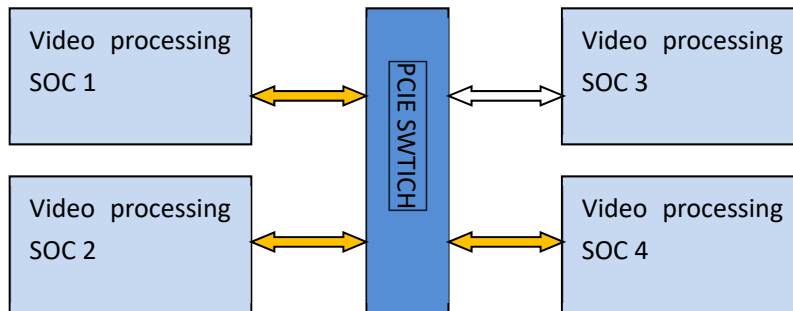


Video compression card



This video compression card uses a new generation industry-specific HD IP camera SoC, integrated with a new generation of ISP, using the latest in the industry The H.265 video compression encoder, combined with an advanced low-power process and low-power architecture, will continue to lead the industry at low bit rates, high image quality and low power consumption.

This video compression card is widely used in video surveillance, image processing, AI and other applications. This video card is based on the PCIe2.0 X4 structure and integrates 4 video processing SOC's. The basic block diagram of this video card is as follows:



Video processing unit basic parameter configuration:

DSP	HI3519V101
The internet	10 /100/1000M adaptive
DDR	DDR3 1GB 32bit
FLASH	SPI NOR FLASH 16MB

Technical indicators:

Processing capability (H264/H265 codec)	4 way 4K@30fps 8 way 2K@30fps 16 channels 1080P@30fps
Electrical Interface	PCIE2.0 X4
operating system	UBUNTUN 14.05
Mechanical Dimensions	168x112mm
Power requirement	12V@3A
Power consumption	<15W
Operating temperature	Commercial grade 0 ~ 55 °C