

**CE CERTIFIED - HP4000EX - 16 channel D1 H.264  
Hardware Compression**



Up to 2 boards per server for total of 960fps recording and live streaming for total of 32 Video/Audio Channels at D1.

Upgrade with HP4000 H.264 Frame grabber	H.264 Realtime 480FPS Board at 720x480 16 Channels Video and Audio
Upgrade with 2 x HP4000 H.264 Frame grabber	H.264 Realtime 960FPS Board at 720x480 32 Channels Video and Audio

(Video Analytics will be available soon)

- 16 channel D1 H.264 Hardware Compression
- Video Input: 16 channel (PAL / NTSC)
- Audio Input: 16 channel
- Video Compression FPS: 400/480 FPS@D1 (PAL / NTSC)
- Support Raw Data Capture
- External Video Output: 1 channel Composite (Multi-view, Switching)
- Watchdog
- Support Windows Win7 (32 Bit)

<b>Specifications</b>	
<b>Video</b>	16 channel
	pal400/NTSC480 fps@D1
	Planner 4:2:0 (YV12) Support Packed 4:2:2 (YUV2)
	H.264 Baseline Profile Level 3, MJPEG (Selectable per channel)
	720 x 480
<b>Audio</b>	16 channel
	Support (PCM / 16 bit / 8kHz)
	G.711 / 64kbps / 8kHz

On Screen Display	Bitmap on Composite output and Realtime Display
OSD before Compression	Burnt-in Text on Compression Image
Watchdog (Buzzer)	Support
Multi-card	2 cards
Operating System	Windows 7 (32 bit Drivers)
<b>Power Consumption</b>	
	TBD
	TBD
<b>Operating Environment</b>	
Temperature	0 ~ °60 C (Ambient)
Humidity	Up to 85% RH
Weight (Approx)	181 g

Power Requirements:

**SATA Power Connector (J15)**

HP4000EX requires an additional SATA Power connection, which means you should connect SATA Power cable from a power supply to HP4000EX as following picture. Because PCI Express slot does not supply 5V from a slot. Also HP4000EX requires an additional 3.3V power from the SATA power cable. However, you cannot use a 4-pin Molex to SATA power gender. Because the 4-pin Molex connectors do not provide 3.3 V power, these adapters provide only 5 V and 12 V power and leave the 3.3 V lines unconnected. So you should connect 5-wire SATA power cable to this connector for supplying 3.3V, 5V, and 12V power to HP4000EX.



**sata with 5 cables.  
NOT FOUR.**



5-wire SATA Power Cable		
Wire	Color	Function
1	Orange	3.3V
2	Black	Ground
3	Red	5V
4	Black	Ground
5	Yellow	12V