



Support 2nd
Generation
Intel® Core™
Processors

Vento 516Q/532Q

huperVision 4000 DSS Server Board

The Premium Intelligent Surveillance Board with Industrial Grade Design for Security Professionals

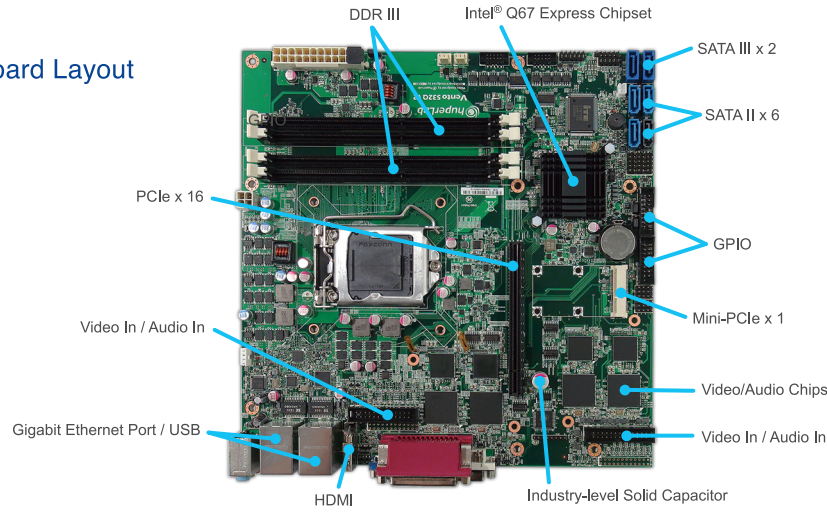
huperVision 4000 DSS Server Board Vento series, embedded with superior quality video/audio chips, is an industrial level, all-in-one server board exclusively for surveillance use. Designed for 2nd Generation Intel® Core™ Processors, this Micro ATX form factor server board provides up to 32CH real-time display and recording at D1 resolution. Its “True Hybrid” design allows free combination of IP and CCTV cameras. With add-on huperVision HD DVR / DVR / NVR Cards, the Vento system can further be expanded for larger scale of CCTV & IP surveillance or even become the HD “Tribrid” DVR with HD-SDI CCTV camera support. Running with huperVision 4000 intelligent surveillance software suite, the Vento DSS Server Board provides a wide range of video analytics and full-featured remote surveillance for different usage scenarios.

- ⌚ Small Form Factor with Video / Audio Circuits Embedded
- ⌚ Up to 32CH 960/900FPS @ D1 Display & Recording
- ⌚ True Hybrid DVR / NVR
- ⌚ System Scalable with Add-on HD DVR / DVR / NVR Cards *1
- ⌚ Ideal for 1080p / 720p HD & Large Scale Surveillance
- ⌚ huperVision 4000 Intelligent Surveillance Software Suite *2
- ⌚ Up to 8 Spot Monitor TV-out Support

Note: *1 Add huperVision HD-SDI DVR / 4700 Series DVR Cards or NVR License Keys for system expansion.

*2 Some of huperVision 4000 intelligent video analytics are optional. Please refer to huperVision 4000 product specifications for details.

Vento DSS Server Board Layout



Product Models

Product Model	Vento 532Q				Vento 516Q																		
	Vento 532Q-960	Vento 532Q-480	Vento 532Q-240	Vento 532Q-120	Vento 516Q-480	Vento 516Q-240	Vento 516Q-120																
Video Input (Analog)	32				16																		
Audio Input	32				16																		
Display Rate (NTSC/PAL)	960/800FPS @ D1				480/400FPS @ D1																		
Recording Rate (NTSC/PAL)	<table border="1"> <tr> <td>720x480 / 720x576</td> <td>960/800FPS</td> <td>480/400FPS</td> <td>240/200FPS</td> <td>120/100FPS</td> <td>480/400FPS</td> <td>240/200FPS</td> <td>120/100FPS</td> </tr> <tr> <td>320x240</td> <td>960/800FPS</td> <td>960/800FPS</td> <td>960/800FPS</td> <td>480/400FPS</td> <td>480/400FPS</td> <td>480/400FPS</td> <td>480/400FPS</td> </tr> </table>							720x480 / 720x576	960/800FPS	480/400FPS	240/200FPS	120/100FPS	480/400FPS	240/200FPS	120/100FPS	320x240	960/800FPS	960/800FPS	960/800FPS	480/400FPS	480/400FPS	480/400FPS	480/400FPS
720x480 / 720x576	960/800FPS	480/400FPS	240/200FPS	120/100FPS	480/400FPS	240/200FPS	120/100FPS																
320x240	960/800FPS	960/800FPS	960/800FPS	480/400FPS	480/400FPS	480/400FPS	480/400FPS																
TV-out Support	8				4																		
IP Camera Input (Max.)	32	32	32	8	16	16	16																
GPIO	16				16																		
Surveillance Software	huperVision 4000 Intelligent Surveillance Software Suite																						

Digital Video Specifications

Item	Vento 532Q	Vento 516Q
Video Inputs	32	16
Audio Inputs	32	16
Video Resolution	720x480HD / 720x576HD, 720X480 / 720X576, 720X240 / 720X288, 640X480HD, 640X480HD, 640X480, 640X240, 320X240	720x480HD / 720x576HD, 720X480 / 720X576, 640X480HD, 640X480HD, 640X480, 640X240, 320X240
Display Rate (NTSC/PAL)	Up to 960/800FPS @ D1 resolution	Up to 480/400FPS @ D1 resolution
Recording Rate (NTSC/PAL)	Up to 960/800FPS @ D1 resolution	Up to 480/400FPS @ D1 resolution
GPIO	16	16
Watchdog	Yes, hardware & software reset for anti-freeze protection	Yes, hardware & software reset for anti-freeze protection

Server Board Specification

Item	Vento 532Q	Vento 516Q
Chipset	Intel® Q67 Express Chipset	Intel® H61 Chipset
Form Factor	Micro-ATX	Micro-ATX
Processor	Support 2nd Generation Intel® Core™ processor, LGA 1155 Socket Intel® Core i7 2600(3.4GHz quad core) Intel® Core i5 (2.8GHz quad core)	Support 2nd Generation Intel® Core™ processor, LGA 1155 Socket Intel® Core i7 2600(3.4GHz quad core) Intel® Core i5 (2.8GHz quad core)
Memory Type	Support DDR3 1066/1333MHz SDRAM with un-buffered and Non-ECC	Support DDR3 1066/1333MHz SDRAM with un-buffered and Non-ECC
Max. Memory	16GB	16GB
Memory Slot	DDR3 DIMM X 4	DDR3 DIMM X 4
Expansion Slots	One PCI Express X16 / One Mini-PCI Express	One PCI Express X16
Video In	16 / 32 CH video inputs (10 bit ADC)	16 / 32 CH video inputs (10 bit ADC)
Graphics	Intel® integrated graphic engine Dual Display : ● VGA + DVI ● VGA + HDMI ● DVI + HDMI	Intel® integrated graphic engine Dual Display : ● VGA + DVI ● VGA + HDMI ● DVI + HDMI
Storage Interface	SATA 3.0 x2 / SATA 2.0 x4	SATA 2.0 x4
LAN	Dual 10/100/1000 LAN (ETH0 support Intel AMT 7.0)	Dual 10/100/1000 LAN
Audio	Realtek ALC886 HD	Realtek ALC886 HD
Internal I/O	USB2.0 x 6 / Front Audio x 1	USB2.0 x 2 / Front Audio x 1 / COM x 1
Rear I/O	USB2.0 x 4 / PS2 x 2 / LAN x 2 / Audio x 1 / 16CH Video In (LPT Port) x 1 / VGA x 1 / DVIx1	USB2.0 x 4 / PS2 x 2 / LAN x 2 / Audio x 1 / 16CH Video In (LPT Port) x 1 / VGA x 1 / DVIx1
Internal Serial Ports	COM1: RS232/422/485, 2x5/2.54 Box header COM2: RS232/422/485, 2x5/2.54 Box header	COM1: RS232/422/485, 2x5/2.54 Box header COM2: RS232/422/485, 2x5/2.54 Box header

Note: Product specifications and pictures are subject to change without prior notice.



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