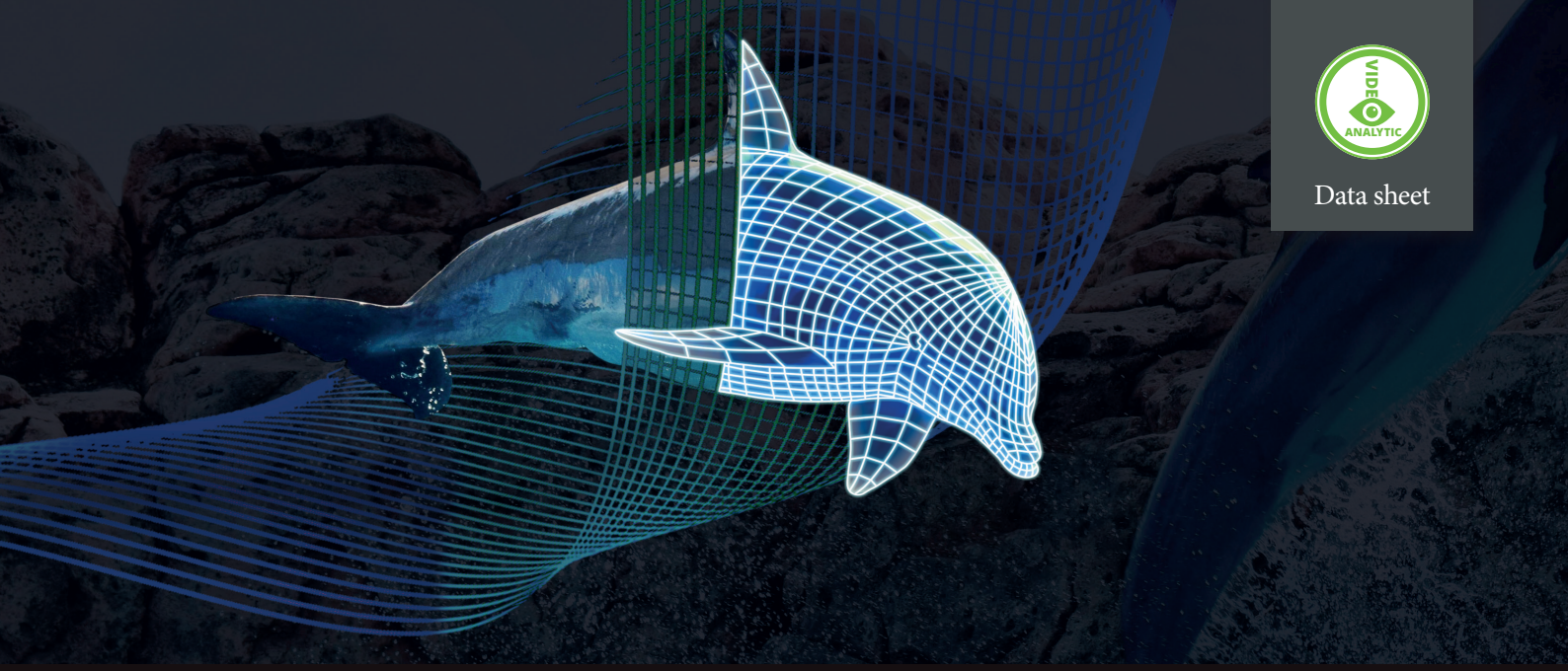
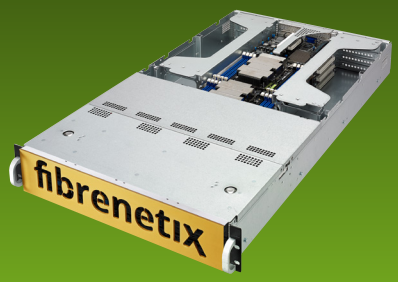


Data sheet

Video Analytics Servers – 2 to 8 GPUs Cards



DPX-852 VIDEO ANALYTICS SERVER

The DP-x52 Series has transformed the market for Video Analytic Servers. Supporting up to eight High Performance NVIDIA GPU cards per server, the DP-x52 Series is the ideal platform for Facial Recognition, Situational Awareness or Machine Learning based analytics.

GPU-Power taking Video Analytics to the next level

With the increased use of CCTV cameras and density of sensors, Video analytics is a must to enable enhanced security and surveillance solutions by automatically monitoring video content.

Face recognition and Wide-Area Situational Awareness (WASA) require LIVE and immediate Alerts to be efficient. However, previous generations of Video Analytics Servers are struggling to handle the amount of data, which is the main reason for the high cost of large-scale Video Analytic applications.

The Fibrenetix DP-Series supports up to eight compatible NVIDIA GPU cards with thousands of CUDA Cores in each GPU card and help reducing the amount of video data that security operators must review and enable a high level of monitoring for any size video surveillance system.

Numbers of required Servers are reduced drastically and therefore cost of implementation is equally reduced.

When Server density is reduced the operator can expect considerable savings on electrical power consumption and need for A/C Server room cooling, offering the lowest cost of ownership in the industry today.

Examples for use:

- Facial Recognition
- Automatic Number-Plate Plate Recognition (ANPR)
- Airport Security
- Traffic Congestion
- Situational Awareness
- Investigation and Forensics
- Wrong way Detection
- Instant Video Search

Video Analytics Servers

Data sheet

Advantages :

- The Video Analytics Server is based on the Intel® Xeon® 64bits platform, with support for the latest Xeon® Gold Series multi-core processors – offering up to 48 cores in dual processor configuration (QPI up to 8GT/sec)
- High Density GPU Server, Up to 8 Graphics Processing Unit (GPU) Cards
- Supports NVIDIA® Quadro® P1000/P2000/P4000, Tesla® P4, Turing® T4, GeForce RTX 2080Ti
- Up to 3072GB of RAM
- Smart thermal design for energy efficiency
- Simplified maintenance and management
- Scalable design for expanding infrastructure

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Video Analytics Servers

Data sheet

Technical Specifications

Product Category	Video Analytics DP-652-2U	Video Analytics DP-852-2U	Video Analytics DPX-852-4U
Processor	2x Intel® Xeon® Gold Processors		
Core Logic	Intel® Lewisburg PCH C621		
Memory	16GB RDIMM, up to 2048GB LRDIMM		16GB RDIMM, up to 3072GB LRDIMM
OS Storage	2x 240GB SSD		
HDD Bays	8x Hot-swap 2.5" HDD Bays (including 2x Bays for the OS)	8x Hot-swap 3.5" HDD Bays (including 2x Bays for the OS)	8x Hot-swap 2.5" HDD Bays (including 2x Bays for the OS)
Maximum HDD Capacity Supported	7.6TB per Hard Drive	20TB per Hard Drive	7.6TB per Hard Drive
Maximum Storage Capacity	60.8TB	160TB	60.8TB
Network	2x 1Gbps Port Intel I350-AM2 2x 10Gbps Adapter (optional)		
Graphics (Standard)	Aspeed AST2500 with 64MB VRAM		
Expansion Slots for GPUs	Up to 4x Double-Deck GPU Cards Total: 8 + 3 Full-length/Full-height 8x PCI-E 3.0x16 (4 at x16 Link or 8 at x8 Link)		Up to 8x Double-Deck GPU Cards Total: 8 + 3 Full-length/Full-height 8x PCI-E 3.0x16
GPU Cards Supported	NVIDIA® GeForce® GTX 1080Ti/2080Ti NVIDIA® Tesla® P4/T4 NVIDIA® Tesla® P40		
Rear I/O Ports	2x USB 3.0 port 1x VGA port 1x RJ45 Management LAN port 2x RJ45 LAN ports		
Rear Switch/LED	1x Power switch/LED 1x Location switch/LED 2x LAN LEDs 1x Message LED 1x HDD LED		
Operating System	Windows® Storage Server 2016		
Management Solution	On-Board ASMB9-iKVM for KVP-over-IP		
Power Supply	1+1 Redundant 1600W 80 Plus Platinum Power Supply		
Voltage	100-127 Vac, 12.9A, 1000W 200-240Vac, 9.5A, 1600W		
Dimensions – mm (D x W x H)	800 x 440 x 88 (2U)	800 x 440 x 88 (2U)	798 x 439 x 175.6 (4U)
Net Weight (CPU, DRAM, HDDs, GPUs not included)	20.9kgs	22.6kgs	23.5kgs
Environment	Operation temperature: 10°C ~ 35°C Non-operation temperature: -40°C ~ 70°C		
Relative Humidity (%)	Non-operation humidity: 20% ~ 90% (Non-condensing)		
Accessories	2x Power Cords, Warranty Card, Quick-User Guide		
Certification	BSMI, CE, RCM, FCC(Class A)		
Warranty Period	3 Years		
BTU/hr	5,470.72 (at 200-240Vac)		

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