

GOLD Series UDS-70 Servers



Ultra-density video server for enterprise class surveillance

Low running costs | Ultra-low footprint



The GOLD-Series UDS-70 combine dual high performance video servers with 700TB of storage, in 4U formfactor. Providing a solution to meet the ever-growing demand on IT-infrastructure in the enterprise surveillance industry. Government legislation regarding retention periods, density of cameras and high-availability, make investment in IT-server rooms, requiring air-conditioning costs and uninterruptible power supply key factors when looking at total COI (cost of ownership).

7 Petabytes of storage and 20× servers in single 19" rackmount cabinet

The UDS-70 server series has been specifically developed to address these key requirements. With dual high-performance Intel Xeon processor based servers and a massive 700TB of storage in a standard 4U 19" formfactor.

Gone are the days where IT servers and storage occupied a massive amount of floor space, demanded huge aircon infrastructure and drained power supplies.

Up to 10× UDS-70 dual hot-swap video servers fit into a single 19" rack cabinet, offering a huge 7 Petabytes of storage, with the power of 20× high performance servers and support for thousands of cameras in fully redundant mode. All with extremely low running costs, due to reduced aircon and power requirements.

Performance to support hundreds of mega-pixel cameras

The UDS-70 series includes dual hot-swap servers, each with dual Intel Xeon processors (E5-2600v3), offering video recording power to support hundreds of megapixel cameras.

Each server comes with 1TB of memory, offering plenty of space for multiple virtual machines (VMware or HyperV), enabling users to record all video streams onto one server in fully redundant mode.

The UDS-70 not only has the power to record your video, via the onboard dual 10Gbit Ethernet or optional 40Gbit Ethernet, but also has the bandwidth to receive the video streams at the same time.

Fibrenetix UDS-70 is truly a powerhouse in the industrial scale of computing and reliability.

Fully redundant and fault tolerant

Fibrenetix UDS-70 operates as two independent servers and is 100% compatible with all major VMS failover requirements (Active/Standby server). Fibrenetix approved VMS include Milestone, Genetec, Cathexis, IndigoVision, Honeywell and many more.

Each GOLD Series UDS-70 server is hot-swappable and can be easily replaced in the event of failure. Server OS (MS-2012 R2) is installed on the hot-swap SSD drive to ensure maximum availability and performance for OS and applications.

The dual onboard high performance RAID controllers offer full RAID 5 or 6 on all 70× HDDs to ensure that all data is protected and compliant with government legislation.

Hot-swap and redundant components include all hard disk drives, fans and power supply units.

Fibrenetix UDS-70 video server is an industry leader, offering the lowest running costs over a five year period of any comparable product on the market. Combined with reliability and serviceability that is hard to beat.

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3D-Scalability for Performance, Capacity and High-Availability

Technical Specifications

Storage Bay	UDS-70
3.5" HDD	70
2.5" HDD	70
HDD storage per node	35
Maximum CPUs per node	2
Maximum cores per CPU	16
Cluster in the Box	No
Independent nodes	Yes
Maximum memory per node	Up to 512GB RDIMM or Up to 1024GB LRDIMM
Dual host connection	10Gbit

Supports Shared Storage

High availability	No
Maximum external HDD	155
Active / Active RAID controller	No
RAID level support	1, 5, 6
Maximum HDD capacity	10TB
SATA / SAS support	Yes
Hot-swap HDD	Yes
Dual hot-swap fans & PSUs	Yes
Remote management	IPMI v2.0 Compliant, onboard "KVM over IP
Certified for VM / Hyper V	Yes
VMS compatibility	All major VMS including Milestone, Cathexis & Genetec
R1 protected OS / APSX storage	Yes
Default OS	Windows Storage Server 2012 R2

Dimensions

Power	Redundant 2+2 PSU (1,200 watts, 100V-240V, platinum)
Total weight, including HDD	~130kg (w/ 78× HDD)
Dimensions – mm (D × W × H)	912 × 447 × 4U
Requires 1200mm rackmount cabinet	Yes

**Specifications are subject to change, without prior notice.*