

GOLD Series Servers



2U Video Servers

Extreme Performance with Scalable Storage Capacity and High Availability
the GOLD Series of Video Servers empower 3D scalability

Purpose-built for critical video surveillance applications

Demand for scalable high performance servers is growing rapidly, as Mega & Giga pixel camera technology becomes the standard in the surveillance industry. Total Cost of Ownership (TCO) and the physical footprint of IT-infrastructure is being scrutinised by professional buyers.

Government legalisation demands zero, or minimal loss of video frames per second, or users face penalties and potential fines. Enterprise class high availability (HA) solutions are a must to ensure continuous recording 24/7, 365 days a year.

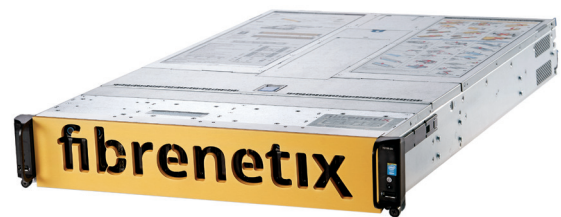
Fibrenetix GOLD Series of video surveillance servers, with unique 3D Scalability, are purpose-built to meet these challenges all the while ensuring businesses all over the world are protected and not vulnerable to losses, liabilities, or business interruptions.

The GOLD Series of video servers provide high-performance multiple servers, based on Intel Xeon E5-2600 v3 processors, in an ultra-small 2U form factor. Each server node can support dual processors with up to dual 16-cores in each server node. Providing more than 500GB of memory per server node, users can easily scale servers to support 500, or even 1000 HD-cameras with 15 FPS (frames per second).

Each server comes with 12 or 24 built-in HDDs or SSDs. Additional storage capacity can be added to scale up to several Petabytes (thousands of Terabytes) via the built-in 10Gbit iSCSI port, offering retention periods of up to 180 days for 1000+ HD-Cameras

Power and huge storage capacity require high availability and the GOLD Series is designed to meet these requirements with total scalability via the HA capabilities. Ranging from a few seconds failover in Active/Standby mode (supported by most VMS) to Full Active/Active server cluster with shared storage. All critical components including PSUs and fans are duplicated and hot-swappable to ensure near to 100% up time.

The GOLD series of video servers offer world leading server technology, which can be scaled to meet the most demanding customer requirements and government legalisation. Unique 3D Scalability, for performance, capacity and high-availability make the GOLD series server and storage products truly market leading.



Enterprise Class battery back-up to protect against data loss and power "spikes"

The most challenging demand of the surveillance market, is enterprise standard 24/7 availability. To minimise downtime and protect against data corruption, due to loss of power or power "spikes", the GOLD Series MTS-2 and MTS-4 come with an optional battery back-up unit (BBU), providing up to 120 seconds of power for each node in the event of a power outage. It also manages system shutdown, if necessary, all the time maintaining system and data integrity.

Enterprise standard storage expansion with 3D scalability

The GOLD Series MTS-2 and MTS-4 servers product range offer 3D scalability for performance, capacity and high-availability. The modular design concept enables easy expansion of the server, controller nodes and storage with JBOD expansion units.



Dual fully redundant servers with 5 Petabytes of storage in a 36U form factor

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

Technical Specifications

Storage Server	MTS-2xx	MTS-4xx	MTA-2xx
3.5"	12	12	12
2.5"	24	24	24
Storage per node	6 / 24	3 / 6	6 / 12
No of nodes	2	4	2
Maximum CPUs per node	2	2	2
Maximum cores per CPU	12	12	12
Cluster in the Box	No	No	Yes
Independent nodes	Yes	Yes	No
Maximum memory per node	512GB	384GB	512GB
Dual host connection	10Gbit	10Gbit	10Gbit

Supports Shared Storage

High availability	No	No	Yes
Maximum external HDD	120	120	90
Active / Active RAID controller	No	No	Yes
RAID level support	1,5,6	1,5,6	1,5,6
Maximum HDD capacity	10TB	10TB	10TB
SATA / SAS support	Yes	Yes	Yes
Hot-swap HDD	Yes	Yes	Yes
Dual hot-swap fans & PSUs	Yes	Yes	Yes
Remote management	IPMI v2.0 Compliant, onboard "KVM over IP	IPMI v2.0 Compliant, onboard "KVM over IP	IPMI v2.0 Compliant, onboard "KVM over IP
Certified for VM / Hyper V	Yes	Yes	Yes
VMS compatibility	Yes	Yes	Yes
R1 protected OS / APSX storage	Yes	Yes	Yes
Default OS	2012 R2	2012 R2	2012 R2

Dimensions

Power	High efficiency hot-plug 1200W PSU, 80 Plus Platinum	High efficiency hot-plug 1200W PSU, 80 Plus Platinum	High efficiency hot-plug 1200W PSU, 80 Plus Platinum
Total weight, excluding HDD	30kg	30kg	30kg
Dimensions – mm (D × W × H)	444 × 87.5 × 790	444 × 87.5 × 790	444 × 87.5 × 790
Requires 1200mm rackmount cabinet	No	No	No
Product codes	MTS-21262-1681-M12-A3 MTS-22462-1681-M12-A3	MTS-41262-1681-M12-A3 MTS-42462-1681-M12-A3	MTA-21262-1681-M12-A3 MTA-22462-1681-M12-A3

*Specifications are subject to change, without prior notice.



GOLD Series server & JBOD Expansion



Hot Swap Server Node

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