

# MDW-ST2024(24TB), MDW-ST2012(12TB) NVR & TERA BYTE SERVER (SERVERLESS STORAGE)



- \* MDW-ST2024 : 24Tera Byte
- \* MDW-ST2012 : 12Tera Byte

## - OVERVIEW -

CloudBank appliances deliver both server and shared storage resources for centralized environments needing high-capacity protected storage. Up to twelve CloudBanks can be configured together as a high-performance iSCSI SAN called a RAIGE™ Array. Each CloudBank contributes a free virtual server that can access the shared capacity and performance of the SAN. Both storage and applications are protected in the case of a CloudBank failure. The award-winning innovation of hosting servers in an iSCSI SAN eliminates the need for standalone physical servers resulting in dramatic reduction in power, cooling, rack space and cost.

## - FEATURES -

### High-availability iSCSI SAN

- CloudBanks can be combined to create a scalable iSCSI SAN array with no single point of failure. Storage can be logically and physically expanded with applications running.

### Free virtual servers save up to 40% on power

- A virtual server running on each CloudBank eliminates external physical servers and reduces rackspace, power, cooling and acquisition costs.

### Integrated application failover

- Improve options for applications with VM Recovery™ which automatically restarts applications on an available CloudBank in the event of an appliance failure.

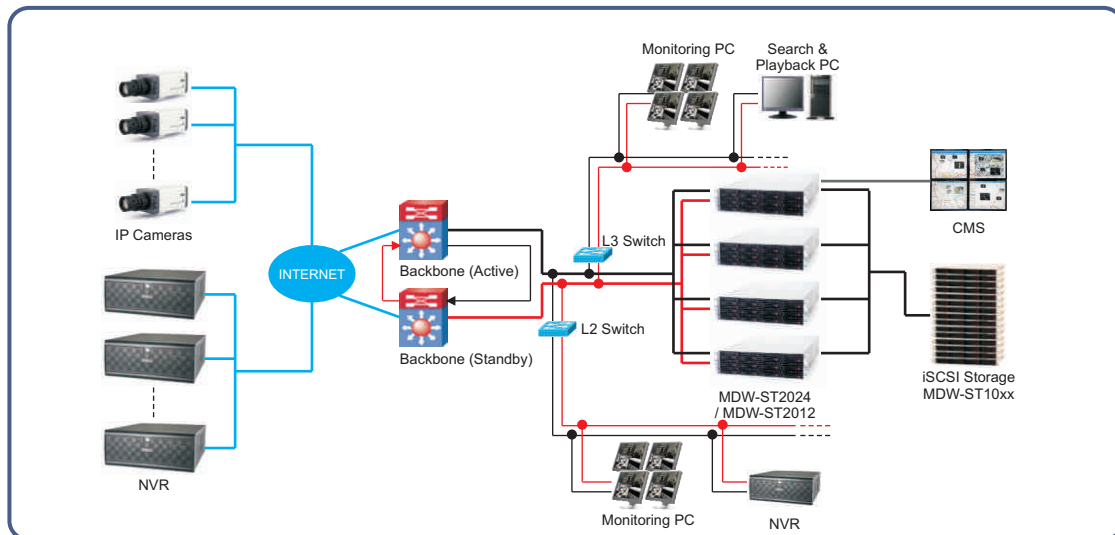
### Simplify configurations and reduce support costs

- Intuitive open-system appliances simplify configuring centralized storage regardless of application performance and capacity requirements.

## - NVR FUNCTION -

MDW-ST20xx can be installed our CMS program (MDW-S264A / S2128A / S2256A) and MDW-ST20xx can be using as high performance NVR with storage

## - CONFIGURATION -



**- REARVIEW -**



**- SPECIFICATIONS -**

MDW-ST2024 / MDW-ST2012	
Dimensions	2U Height : 3.5", Width : 17.5", Depth : 25.5"
Weight	57.2 lbs / 25.9 kg
Processor	Two 2.3 Ghz Quad-Core Intel Xeon
Memory	Memory : 8GB DDR 1333 ECC Fully Buffered DIMM
Drives	12x hot-swappable Enterprise SATA II 3.0 Gbps, 7200rpm
iSCSI	iSCSI : Dual Gigabit Ethernet
Network	Four Gigabit Ethernet
Cooling	Redundant, hot swappable fans
Operating Environment	10°C - 35°C (50°F - 95°F)
Operating Relative Humidity	8 - 90% non-condensing
Power Rating	Spec : 2 x 800W redundant hot swappable power supplies Typical : AC voltage 120V (3.8 a.); AC voltage 220V (2.05 amp) @ 50-60Hz
Thermal Rating	Spec : 2600 BTU/hour Typical : 1556 BTU/Hr @ 120V, 1539 BTU/Hr @220V
Regulatory	Power Supply Safety / EMC USA - UL listed Canada - CUL listed Germany - TUV Certified EN 60950/IEC 60950 - Compliant CB Report and CCC Certification

\* The above specifications can be changed without any prior notification.

**- STORAGE SIZING GUIDE -**

# CloudBanks	Physical Capacity	Usable Capacity (in TB)*		Bandwidth	Recording Time
		RAID 5e	RAID 6e		H.264/D1/16CH/30fps
includes sparing	TB			MB/sec	Day (RAID 5e)
1	12	9.8	N/A	200	14.2
2	24	19.6	N/A	400	28.5
3	36	22.5	20.2	600	32.7
4	48	34.2	30.6	800	49.7
5	60	46.0	41.2	1,000	66.9
6	72	57.8	51.7	1,200	84.1
7	84	69.6	62.3	1,400	101.3
8	96	81.5	72.8	1,600	118.6
9	108	93.4	83.4	1,800	135.9
10	120	105.2	94.0	2,000	153.1
11	132	117.1	104.6	2,200	170.4
12	144	129.0	115.2	2,400	187.8

\* Virtual servers require 80GB each; 1TB = 1,000,000,000,000 bytes  
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