HIKVISION®

DS-A83048S-ICVS

- Next generation hardware platform featuring high level new controller design (48 HDD slot, single controller with two 6-core processors, 64 GB cache)
- Streaming data management structure for high system performance
- Storage virtualization/distribution/scale-out/load balance
- High speed data rebuild at up to 2 TB/ hour
- able to tolerate up to 4 device failure without data loss
- Ultra-fault-tolerant IRAID (based on erasure code) supporting data protection among devices
- User-friendly operation and maintenance

▪ Specification

External interface	
USB	3 (2 × USB 3.0, 1 × USB 2.0)
Data network interface	6, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)
MiniSAS interface	3, 12 Gbps SAS 3.0 interface
COM	2 (1 for RS-232, 1 for RS-485)
Management network interface	1, 1000M Ethernet interface
HDD	
HDD Model	Hikvision,DS40HKAI-VX1,4T; Hikvision,DS60HKAI-VX1,6T; Hikvision,DS80HKAI-VX1,8T; Hikvision,DS100HKAI-VX1,10T; Hikvision,DS160HKAI-VX1,16T; Hikvision,DS200HKAI-VX1,20T;
Storage Management	
Cache protection	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost
Disk management	Disk detection pre-alarm and repair
Device Maintenance	
Management mode	GUI based on web, serial port CLI, platform
Alarm mode	Audio, indicator, GUI
Recording Management	
CVA	Device access, recording schedule, and stream forwarding services
CVS	Data storage, video/picture access, storage space, and data R/W services
Network	
Protocol	RTSP,ONVIF,PSIA
Storage	
Interface/capacity	SATA 4TB, 6TB,8TB,10TB,12TB,14TB,16TB,18TB,20TB
HDD slot	48
RAID	I RAID: N + M: K, N + M ≤ 16, M ≥ K, N$\in$ [1, 15], M$\in$ [1, 4], K$\in$ [1, 4]
Performance	
Standard cluster (2 Mbps)	600-ch
Video performance	600
Picture performance	350
Controller	
Processor	2 Xeon 64-bit multi-core processors
Cache	64 GB standard, extendable to 384 GB

▪ Available Model

DS-A83048S-ICVS

DS-A83048S-ICVS(DZ0465)

DS-A72048R-CVS

DS-A83048S-ICVS(WANCOM)/8T/24 HDD

DS-A83072S-ICVS(Sena Traffic)/6T

DS-A83048S-ICVS(WANCOM)/8T/36 HDD

DS-A83048S-ICVS(HW2WZ)

DS-A83048S-ICVS(DZ0256)/16T*40

DS-A83072S-ICVS(HOU TANG)

DS-A83048S-ICVS/Micro

See Far, Go Further

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