

Specification

Model		DS-A81024S-ICVS	DS-A81048S-ICVS	
Performance	Standard cluster (2 Mbps)	260-ch	300-ch	
	Standard cluster (4 Mbps)	140-ch	160-ch	
	Micro cluster (2 Mbps)	180-ch	220-ch	
	Micro cluster (4 Mbps)	100-ch	120-ch	
Controller	Processor	64-bit multi-core processors		
	Cache	16 GB	32 GB	
HDD	HDD slot	24	48	
	Interface	SAS/SATA		
	Capacity	1 TB/2 TB/3 TB/4 TB/6 TB/8 TB/10 TB/12 TB		
	RAID	IRAITD: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]		
Storage	Disk	Disk detection pre-alarm and repair		
	Cache protection	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.		
Recording	CVA	Device access, recording schedule, and stream forwarding services		
	CVS	Data storage, video/picture access, storage space, and data R/W services		
Maintenance and Management	Management method	GUI based on web, serial port CLI, platform		
	Alarm method	Audio, indicator, GUI		
Network	Protocol	RTSP, ONVIF, PSIA, etc.		
Interfaces	Data network interface	4, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)		
	Management network interface	1, 1000M Ethernet interface		
	SAS extension interface	3, 12 Gbps SAS 3.0 interface		
	COM interface	2 (1 for RS-232, 1 for RS-485)		
	USB interface	3 (2 × USB 3.0, 1 × USB 2.0)		
	VGA interface	1		
General	Power supply (rated)	Redundant 1 + 1, ≤ 550 W	Redundant 2 + 1, ≤ 800 W	
	Consumption (with HDDs)	Approx. 420 W	Approx. 710 W	
	Environment temperature	<ul style="list-style-type: none"> ● Working: +5 °C to +35 °C (+41 °F to +95 °F) ● Storage: -20 °C to +70 °C (-4 °F to +158 °F) 		
	Environment humidity	<ul style="list-style-type: none"> ● Working: 20% to 80%RH (non-condensing/frozen) ● Storage: 5% to 90%RH (non-condensing/frozen) 		
	Dimension (W × H × D)	490 x 180 x 760 mm (19.3 x 7.1 x 29.9 in)	486 x 344 x 750 mm (19.1 x 13.5 x 29.5 in)	
	Weight (without HDDs)	≤ 43 kg (90.4 lb)	≤ 70 kg (154.3 lb)	