

4TB (DS40HKVS-VX1)

DS40HKVS-VX1 4TB 3.5 HARD DISK DRIVE (HDD)



Specifications

Model	4TB (DS40HKVS-VX1)
Brand	Hikvision
Yadda? h?cmi	4 TB
Ölçü	3.5
Tip	HDD

KEY FEATURES

Specification

Item		DS40HKVS-VX1	DS20HKVS-VX1
Interface		SATA	
Formatted Capacity		4 TB	2TB
	Interface Speed [6]	6.0 Gb/s, 3.0 Gb/s, 1.5 Gb/s	
	Rotation Speed	5400 rpm	
	Buffer Size	128 MB	
Performance	Maximum Data Transfer Speed (Sustained) (Typ.)	176.4 MB/s	
Logical Data Block Length[9]		HOST: 512 B, DISK: 4096 B	
Supply Voltage	Allowable Voltage	12 V [10] ± 10 % / 5 V [10] ± 5 % [11]	
	Operating (Typ.) [12]	4.11 W	4.01 W
	Active idle (Typ.)	2.36 W	2.08 W
Power Consumption	Standby (Typ.)	0.20 W	0.31 W
	Low Power Idle (Typ.)	22 dB	21 dB
Acoustics (Sound Power) [13]			

Environmental Limit

Item		Specification
Ambient temperature	Operating	0 °C to 60 °C (No condensation)
	Non-Operating [14] [15]	- 40 °C to 70 °C (No condensation)
Enclosure surface temperature	Operating	0 °C to 70 °C (No condensation) [16]
Relative Humidity	Operating	5 % to 90 % R.H. (No condensation)
	Non-Operating	5 % to 95 % R.H. (No condensation)
	Operating	- 305 m to 3048m
Altitude	Non-Operating [14]	- 305 m to 12 192 m
Shock [14]	Operating	686 m/s ² { 70 G } (2 ms duration)
	Non-Operating	6TB: 2940 m/s ² { 300 G } / 4TB, 2TB: 3430 m/s ² { 350G } (2 ms duration)
	Operating [15]	4.90 m/s ² { 0.50 G } (5 to 350 Hz)
Vibration [14]		2.45 m/s ² { 0.25G } (350 to 500 Hz)
	Non-Operating [17]	29.4 m/s ² { 3.0 G } (5 to 500 Hz)

Reliability

Item	Specification
MTTF / AFR [4]	1 000 000 hours/ 0.88%
Non-recoverable Error Rate	1 error per 1014 bits read
Load / Unload	600 000 times
Availability	24 hours/day, 7 days/week
Rated Annual Workload (Total TB Transferred per Year, R/W)	180 TB/year

Mechanical Specification

Item	DS40HKVS-VX1	DS20HKVS-VX1
Width	101.6 mm ± 0.25mm	
Height (Max)	26.1 mm	
Length (Max)	147.0 mm	
Weight (Max)	650 g	440 g