V300x series

Introduction

Relying on the security background of Hikvision, we are committed to developing the four major businesses of solid state drives, memory cards, private network disks, and mobile storage, with a sound supply chain system and perfect after-sales process. On the technology side, V300x series adopts the advanced SSD controller and 3D NAND Flash, and coordinates with HIKVISION's self-designed NAND Flash management firmware to ensure the read/write speed and data safety.

On the production side, V300x series adopts the good quality 3D NAND Flash and BGA , and is manufactured by the automatic production line. It has been tested according to the standard of video surveillance server, so that it offers better stability.

Features

● High R/W Speed SATA interface

Max. read speed up to 560 MB/s.

● 3D NAND Technology

3D NAND technology helps to develop higher

capacity, performance, and stability.

● Anti-shock and anti-fall

No mechanical structure, using electronic

chip control, data more secure.

● Application Field

Applied to video surveillance products.

Ordering Information

Capacity	Model
330GB	V300x 330GB-SSDV04dCD20A330GBAA
500GB	V300x 500GB-SSDV04dIC10A500GBAA
1TB	V300x 1TB-SSDV04dIC20A1000BAA
2TB	V300x 2TB-SSDV04dIC40A2000BAA

Note

Please contact the local sales for detailed model information.

Specification

Model	V300x series			
Capacity	330GB	500GB	1TB	2TB
Form Factor	2.5 inch			
Max. Seq. Read	565 MB/s	565 MB/s	565 MB/s	565 MB/s
Max. Seq. Write	480 MB/s	520 MB/s	515 MB/s	525 MB/s
Max. Ran 4 K Read (IOPS)	30 K	95 K	95 K	95 K
Max. Ran 4 K Write (IOPS)	75 K	80 K	75 K	75 K
Max. Power Consumption	1.2 W	1.1 W	1.6 W	2.6 W
TBW	86TB	268TB	536TB	1073TB
MTBF	1,500,000 hours			
Storage Medium	3D QLC			
Interface	SATAIII			
Working Temperature	0 °C to 70 °C (32 °F to 158 °F)			
Storage Temperature	-40 °C to 85 °C (-40 °F to +185 °F)			
TRIM	Supports			
Warranty	3 years			
Weight	< 60g			

Note

1. Specifications are subject to change without notice.
2. 1 MB=1,000,000Bytes, 1 GB=1,000,000,000Bytes, Unformatted Capacity. User accessible capacity may vary depending on operating environment and formatting.
3. Operating Temperature (0 °C ~70 °C) is subject to SSD's S.M.A.R.T. display.

Revision History

Version	Description	Date
V1.0.0	V300x series	20230911
V1.0.1	Performance updates	20240226
V1.0.2	Add 330G	20240506