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
500GB	V300x 500GB-SSDV04dCD20A500GBAA
1TB	V300x 1TB-SSDV04dCD20A1000BAA

ⓘ Note

Please contact the local sales for detailed model information.

Specification

Model	V300x series	
Capacity	500GB	1TB
Form Factor	2.5 inch	
Max. Seq. Read	560 MB/s	560 MB/s
Max. Seq. Write	505 MB/s	520 MB/s
Max. Ran 4 K Read (IOPS)	45 K	75 K
Max. Ran 4 K Write (IOPS)	75 K	75 K
Max. Power Consumption	1.4W	1.9W
TBW	126TB	264TB
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	

ℹ️**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.

    4. This product is not recommended for Mobile DVR/NVR.

Revision History

Version	Description	Date
V1.0.0	V300x series	20230911

Data subject to change without notice.