

## V100 Series SSD for Video Surveillance

### Introduction

Hikvision V100 series SSD (Solid State Drive) is developed based on experienced data storage and flash memory management technologies, which effectively improves the durability working for 7 × 24 h continuous work. Featuring in high R/W speed, noise-free, shock-proof and low consumption, V100 is widely used in video servers, recorders and some high-end consumer market.



### Available Models

HS-SSD-V100/256GB

HS-SSD-V100/512GB

HS-SSD-V100/1024GB

HS-SSD-V100/2048GB

### Typical Application

- Systems with high requirement for reliability and durability
- Video surveillance industry

### Features and Functions

- **The First Video Surveillance SSD Worldwide**

V100 adopts the original video stream balancing algorithm, which can effectively handle the special data conditions like data stream, bursting tasks, concurrent tasks, and overwrite for video surveillance system, optimize the performance, and raise the lifespan.

- **High R/W speed**

R/W speed is up to 563 MB/s.

- **Shock-Proof and fall-Proof**

- Non-mechanical structure.
- Electronic chip control.
- Lower the data loss risk when unexpected drop or shock occurs.

- **Low latency and high concurrency**

- No disk R/W head design.
- Random R/W is 10 times the speed of traditional HDD.

- **Small and light**

- 2.5-inch SSD, 0.3-inch thickness.
- Lighter than 115 g.



## Specifications

Model	HS-SSD-V100				
Capacity	256 GB	512 GB	1024 GB	2048 GB	
Dimensions (L × W × H)	69.9 mm × 100.2 mm × 7 mm (2.75" × 3.94" × 0.28")				
Weight	≤ 115 g (0.25 lb)				
Interface	SATA III 6 Gbps, SATA II 3 Gbps, SATA I 1.5 Gbps				
Driver	ATA-8 ACS3				
	Serial ATA 3.0				
Max. sequential read speed	563 MB/s	562 MB/s	562 MB/s	561 MB/s	
Max. sequential write speed	519 MB/s	519 MB/s	524 MB/s	530 MB/s	
Max. random read IOPS	84 K	97 K	98 K	97 K	
Max. random write IOPS	76 K	76 K	76 K	74 K	
Power Consumption (test voltage: 5 V)	Free (max.)	0.33 W	0.39 W	0.37 W	0.38 W
	Read (max.)	1.44 W	2.0 W	1.48 W	1.48 W
	Write (max.)	1.37 W	1.54 W	1.24 W	1.24 W
Endurance (TBW)	150 TB	300 TB	600TB	1200 TB	
MTBF (Mean Time Between Failures)	1,500,000 h				
Working temperature	0 °C to 70 °C				
Storage temperature	-20 °C to 85 °C				
Working humidity	20% to 90% (no condensation)				
Limited warranty period	3 years				

**Note:** Performance test is performed in a specific testing environment. Test system configuration: Intel(R) Core(TM) i5-4590 CPU @ 3.30GHz, DDR 4GB, OS – Windows8 Pro x64, ASUS Z97-C. Performance may vary depending on SSD's firmware version, system hardware & configuration.

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