



NVH-91TB

Diva Accessories - Diva Video Management

Description

Surveillance Storage from Western Digital.

Increasing security concerns have caused governments and businesses of all sizes to invest significantly in digital video surveillance systems. Created initially as a means of security for banks in the 1940s, video surveillance systems have evolved to become one of the most popular safety and security systems today. Thanks to rapid advancement in technology, video surveillance systems have experienced exponential growth since their introduction. In recent years, video surveillance has undergone a shift from analog to digital format and away from primarily tape-based systems. This transition has resulted in advancements in many complementary technologies. Whether it's software to aid in the recording and analysis of high resolution images, networking systems to more efficiently mirror and archive, or the emergence of technologies such as smart sensors and biometrics, today's surveillance systems demand the best performing and most reliable hard drives and solid state drives (SSD) available.

Technical Specifications

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Performance Specifications

Rotational Speed	7,200 RPM (nominal)
Buffer Size	64 MB
Average Latency	4.20 ms (nominal)
Load/unload Cycles	600,000 minimum

Transfer Rates

Transfer Rate (Buffer To Disk)	128 MB/s (Max)
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Physical Specifications

Formatted Capacity	1,000,204 MB
Capacity	1 TB
Interface	SATA 3 Gb/s
User Sectors Per Drive	1,953,525,168

Physical Dimensions

Height	25.40 mm, Depth 147 mm, Width 101.6 mm
Weight	0.73 kg

Environmental

Operating Shock (Read)	65G, 2 ms
Non-operating Shock	300G, 2 ms

Acoustics

Idle Mode	28 dBA (average)
Seek Mode 0	29 dBA (average)
Seek Mode 3	25 dBA (average)

Temperature

Operating	5° C to 55° C (32° F to 140° F)
Non-operating	-40° C to 70° C (-40° F to 158° F)

Electrical Specifications

Read/Write	7.90 Watts
Idle	5.90 Watts
Standby	0.70 Watts
Sleep	0.70 Watts



Pictures

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Western Digital 4RE 1TB

WD RE4 Enterprise SATA drives are available with up to 2 TB's of cavernous capacity. With a combination of 64 MB cache, dual processors and dual stage actuation WD RE4 drives deliver lightning-fast performance in demanding server and storage applications. Each drive is put through extended burn-in testing with thermal cycling to ensure reliable operation.



DIVA Storage Solution

Surveillance drives enable digital video surveillance systems to deliver a comprehensive range of features and capabilities such as high resolution image quality, streaming video from multiple cameras, video archiving with ultra-fast data access and on-demand video playback. Our High-End Storage solutions servers always use the reliability of the RE4 drives.