



**Surveillance storage  
HDDs help to  
keep us safer 24/365**

High capacity HDDs, with 6TB and 4TB, are designed for security camera systems that require continuous operation throughout the year. These HDDs can support as many as 64 high resolution cameras.

**Surveillance**  
Hard Disk Drive



**DT02-VH  
Series**

**Reliability and durability**

Designed for 24/365 operation and a million hour MTF. This HDD series provides the reliability you need and has the durability to operate in surface temperatures ranging from 0-70°C.

**Flexible expandability**

Can support up to 64 high resolution camera.

**Versatile capacity lineup**

Up to 6TB capacity using energy saving 5400rpm design.

## Application

- Network Video Recorders (NVR)
- Hybrid (analog and IP) Super DVR (SDVR) platforms
- Mid- and High-Range Surveillance NVR (SNVR) and SDVR platforms



## Specifications

Formatted Capacity	6TB		4TB	
Model Number	DT02ABA600VH		DT02ABA400VH	
Specification				
Recording Technology	SMR			
Interface	SATA 6.0 Gbit/s			
Form Factor	3.5-inch (Height:26.1 mm, Length:147.0 mm, Wide: 101.65 mm ±0.25 mm)			
Weight (Max)	680 g		650 g	
Performance				
Rotation Speed	5400 rpm			
Number of Camera Supported	Up to 64			
RV Sensor	Supported			
Buffer Size	256 MiB			
Reliability				
MTTF	1M hours			
24/7 Operation	Supported			
Workload Rating	180 TB Transferred per Year			
Power Requirements				
Supply Voltage	12V ± 10% / 5V ± 5%			
Power Consumption	Active	Idle	2.81 W	2.33 W
Environmental Requirements				
Temperature	Operating	0 °C to 70 °C (Surface temperature)		
	Non-Operating	-40 °C to 70 °C		
Vibration	Non-Operating	29.4 m/s <sup>2</sup> { 3.0 G } ( 5 to 500 Hz )		
Shock	Non-Operating	2940 m/s <sup>2</sup> {300 G}(2 ms duration)		3430 m/s <sup>2</sup> {350 G}(2 ms duration)
Acoustic	Idle	24 dB		22 dB

• Definition of capacity: One terabyte (TB) = one trillion bytes, but storage capacity actually available may vary depending on operating environment and formatting. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system and/or pre-installed software applications, or media content. Actual formatted capacity may vary. • A mebibyte (MiB) means 1 048 576 bytes. • MTTF (Mean Time to Failure) of the HDDs during its life time is one million hours. This assumes power-on hours are 24 x 7 in normal surveillance usage (up to 180TB/year total data transfers, and average HDA surface temperature:40°C or less. Use at case HDA surface temperature above 40°C may degrade product reliability and reduce warranty period. • Workload is a measure of the data throughput of the year, and it is defined as the amount of data written, read or verified by commands from the host system. • Number of surveillance cameras support capability is defined by performance simulation with High Definition cameras at 4Mbit/s rate for DT02-VH. Actual results may vary based on various factors, including the types of cameras installed, the system's hardware and software capabilities, and the video compression technology used, as well as system variables such as resolution, frames per second, and other settings. • Operation of the drive when it has a high surface temperature will shorten its useful life. The recommended operating condition is with a surface temperature of less than 60°C. And, DT02-VH/DT01-V temperature specification is case of standard AV multi-streaming recording. • Before creating and producing designs and using, customers must also refer to and comply with the latest versions of all relevant information of this document and the instructions for the application that Product will be used with or for. • Company names, product names, and service names may be trademarks of their respective companies.

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