



**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 ² { 3.0 G } (5 to 500 Hz)	
Shock	Non-Operating	2940 m/s ² {300 G}(2 ms duration)	3430 m/s ² {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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