



Toshiba Announces 10TB Surveillance Hard Disk Drive

The MD06ACA-V Series is Toshiba's largest capacity surveillance-class HDD

Düsseldorf, Germany, 28th November 2017 - Toshiba Electronics Europe GmbH (TEE) announces the MD06ACA-V HDD series, the latest addition to its SV Series line-up of 3.5-inch hard drives for surveillance applications. The new models are available in capacities up to 10TB^[1] with a higher transfer rate compared to previous MD04ABA-V models, enabling support for up to 64 camera^[2] streams. Higher capacity and transfer rates allow support for higher resolution camera streams to meet the changing compliance mandates for surveillance data.

The MD06ACA-V Series is designed for 24/7 streaming operation scenarios and is typically used for surveillance digital video recorders (SDVR), surveillance network video recorders (SNVR) and Hybrid SDVR. The MD06ACA-V Series features 7,200 rpm access performance. The 10TB model delivers a 58 percent increase in maximum sustained transfer rate when compared to Toshiba's prior MD04ABA-V Series, pushing it to 237MiB/s^[3]. Available in 6TB, 8TB and 10TB capacities, the new models provide a SATA 6Gbit/s interface^[4] with a 256MiB

dynamic buffer. Additionally, the MD06ACA-V models support Advanced Format (512e) technology for compatibility with legacy applications and operating environments.

“The inclusion of the Rotational Vibration compensation technology provides optimal drive performance in multi-bay configurations and superior reliability with a mean time to failure (MTTF)^[5] of one million hours utilising a conventional mechanical design,” said Noriaki Katakura, General Manager of Toshiba Electronics Europe, HDD Business Unit. “This third generation surveillance HDD line-up delivers the capacity, performance and reliability needed for higher resolution surveillance video streams and longer content retention requirements.”

Samples of the MD06ACA-V HDD Series are now available.

For more information about the full line-up of Toshiba HDD products, please visit: <http://toshiba.semicon-storage.com/eu/product/storage-products.html>.

Notes:

[1] We define a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1TB = 2⁴⁰ bytes = 1,099,511,627,776 bytes and therefore shows less storage capacity. 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.

[2] Number of surveillance cameras support capability is defined by performance simulation with High Definition cameras at 10Mbit/s rate. 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.

[3] A mebibyte (MiB) means 2²⁰, or 1,048,576 bytes.

[4] Read and write speed may vary depending on the host device, read and write conditions, and file size.

[5] MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF.

* Information in this document, including product prices and specifications, content of services and contact information, is current and believed to be accurate on the date of the announcement but is subject to change without prior notice.

* Company names, product names, and service names mentioned herein may be trademarks of their respective companies.

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About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#). TEE offers European consumers and businesses a wide variety of innovative hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. The company's broad portfolio encompasses integrated wireless ICs, power semiconductors, microcontrollers, optical semiconductors, ASICs, ASSPs and discrete devices ranging from diodes to logic ICs.

Formed in 1973 in Neuss, Germany, TEE has headquarters in Düsseldorf, Germany, with branch offices in Germany, France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. Company president is Mr. Akira Morinaga.

For more company information visit TEE's web site at www.toshiba.semicon-storage.com.

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