

27.08.2020

# Toshiba expands its Surveillance Hard Disk Drive series

**The S300 and S300 Pro series are optimized for demanding surveillance applications.**

**Düsseldorf, Germany, 27 August 2020** – Toshiba Electronics Europe GmbH announces the expansion of the Toshiba S300 Surveillance Hard Disk Drive series. This includes a new S300 series using shingled magnetic recording (SMR) technology for small and medium-sized businesses and the renaming of the conventional magnetic recording (CMR) technology surveillance drives to the S300 Pro series for professional and public sector use.

Targeting the demands of small-to-medium-scale video surveillance systems, the new S300 series hard drives, available in 2TB<sup>[1]</sup> and 4TB, are optimized for use in cost-constrained applications while meeting the requirements of surveillance systems with up to 32 high-definition camera streams<sup>[2]</sup>. The S300 series with 5400 rotations per minute (rpm) and a buffer size of 128MB<sup>[1]</sup> meets various requirements for HD video surveillance including technology for set-top boxes, digital video recorders (DVR), and network video recorder (NVR).

The new low capacity S300 series is based on SMR technology that uses overlapped tracks for higher data density, leaving just the required magnetic surface needed for correct reading. This contrasts with CMR where each track is separated by a small distance. As a result, SMR allows higher capacities for the same magnetic area as a CMR drive to help improve total cost of ownership (TCO). The implementation of an appropriate cache-architecture compensates the potential disadvantages of random re-writing of overlapped tracks making the S300 series suitable for small-to-medium-scale surveillance applications.

For large-scale surveillance systems that require up to 64 high-definition camera streams, video analytics, face-tracking and editing functions, Toshiba offers the S300 Pro series with CMR technology. With high capacities of up to 10TB and a buffer size up to 256MB, they are suitable for surveillance digital video recorders (SDVR), surveillance network video recorders (SNVR), and hybrid SDVR.

“Considering the continuous growth in surveillance systems worldwide, Toshiba’s refreshed S300 series and S300 Pro hard drives offer a tailor-made surveillance storage solution. Targeting the latest requirements in the surveillance storage market, they provide stable 24/7 operation and are optimized to the needs of leading surveillance DVRs and NVRs using eight drive bays or more. Toshiba helps surveillance system integrators, system installation providers, and end users to record and

store their video and audio streams with confidence,” noted Lorenzo Martinez-Palomo, General Manager, Storage Products Business Marketing, Toshiba Electronics Europe GmbH.

The Toshiba S300 Pro series and the new S300 4TB model are available now, while the S300 2TB is expected to be available later this year. For more information on the products, capacities, and their availability, please visit: <https://www.toshiba-storage.com/products/s300/>  
<https://www.toshiba-storage.com/products/s300-pro/>

Notes:

[1] Toshiba defines 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] The Number of cameras that a surveillance system can support is defined by carrying out a performance simulation with each High Definition camera unit running at 4Mbit/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.

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

#### **About Toshiba Electronics Europe GmbH**

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, ASSPs and discrete devices ranging from diodes to logic ICs.

TEE has its headquarter in Düsseldorf, Germany, and branch offices in Germany, France, Italy, Spain, Sweden, and the United Kingdom providing design, manufacturing, marketing, and sales. The company’s president is Mr. Tomoaki Kumagai.

For more company information visit TEE’s web sites at [www.toshiba-storage.com](http://www.toshiba-storage.com) and [www.toshiba.semicon-storage.com](http://www.toshiba.semicon-storage.com).

Contact details for publication:

Toshiba Electronics Europe GmbH, Hansaallee 181, D-40549 Düsseldorf, Germany

Tel: +49 (0) 211 5296 0 Fax: +49 (0) 211 5296 79197

Web: [www.toshiba-storage.com](http://www.toshiba-storage.com)

E-mail: [marcom@tee.toshiba.de](mailto:marcom@tee.toshiba.de)

Contact details for editorial enquiries:

Martin Hennes, Toshiba Electronics Europe GmbH

Tel: +49 (0) 211 5296 599

E-mail: [MHennes@tee.toshiba.de](mailto:MHennes@tee.toshiba.de)

Issued by:

Birgit Schöniger, Publitek

Tel: +44 (0) 1582 390 980

Web: [www.publitek.com](http://www.publitek.com)

# Contact

**Toshiba Electronics Europe GmbH**

Hansaallee 181  
40549 Düsseldorf  
Germany