



Surveillance S300 & S300 Pro

Partner marketing e-pack

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Version 181024



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Sku set up information

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Type	Size	External Name	Product Description	Part-ID	Capacity	MOQ	Connector	EAN Code
S300 (128MB 5900RPM) SURVEILLANCE HARD DRIVE (SMR) - S300								
 SMR	3,5"	HDWT720UZSVA	*BULK* S300 Surveillance Hard Drive 2TB	HDKPB04Z0A01S	2TB	20	SATA	4260557511442
	3,5"	HDWT840UZSVA	*BULK* S300 Surveillance Hard Drive 4TB	HDKPB08Z0A01S	4TB	20	SATA	4260557511862
	3,5"	HDWT860UZSVA	*BULK* S300 Surveillance Hard Drive 6TB	HDKPB06Z0A01S	6TB	20	SATA	4260557511879
S300 (64/256/128MB 5700/7200RPM) SURVEILLANCE HARD DRIVE (CMR)- S300								
 CMR	3,5"	HDWV110UZSVA	*BULK* S300 Surveillance Hard Drive 1TB	HDKPJ42ZRA02S	1TB	20	SATA	4260557511626
	3,5"	HDWT140UZSVA	*BULK* S300 Surveillance Hard Drive 4TB	HDEUR11ZSA51F	4TB	20	SATA	4547808810685
	3,5"	HDWT360UZSVA	*BULK* S300 Pro Surveillance Hard Drive 6TB	HDETV13ZSA51F	6TB	20	SATA	4547808810708
	3,5"	HDWT380UZSVA	*BULK* S300 Pro Surveillance Hard Drive 8TB	HDETV11ZSA51F	8TB	20	SATA	4547808810715
	3,5"	HDWT31AUZSVA	*BULK* S300 Pro Surveillance Hard Drive 10TB	HDETV10ZSA51F	10TB	20	SATA	4547808810722
	3,5"	MD10ADA400EV	*BULK* S300 Pro Surveillance Hard Drive 4TB	HDET02NZSA51F	4TB - NEW	20	SATA	4260557512852
	3,5"	MD10ADA600V	*BULK* S300 Pro Surveillance Hard Drive 6TB	HDET02MZSA51F	6TB - NEW	20	SATA	4260557512746
	3,5"	MD10ADA800V	*BULK* S300 Pro Surveillance Hard Drive 8TB	HDET02LZSA51F	8TB - NEW	20	SATA	4260557512739
	3,5"	MD10ADA10TV	*BULK* S300 Pro Surveillance Hard Drive 10TB	HDET02KZSA51F	10TB - NEW	20	SATA	4260557512722



Marketing activity suggestions

Next



- Newsletter / email inclusion
- Promotion of applicable case study and insight campaigns – blogs /socials/newsletters
- Toshiba dedicated S300/S300 Pro Landing page
- Banners promoting the S300/S300 Pro series on -
Home page / configurator page / dedicated Toshiba landing page/category page
- Promotion of the S300 series videos - socials / landing pages / newsletters
- Bundle promotions – Showcase Toshiba HDDs as part of a solution
- Brand awareness – stickers for DVRs/NVRs
- Event presence / support
- Training room / Trade desk - brand and product showcasing.
- Installer programs and promotions
- Dual branded giveaways
- Social media campaigns /videos



Toshiba logo and brand guidelines

Next



Logo

Digital and print versions



Please use for dedicated Toshiba pages
and 'Partner' logo listings

Download



Guidelines

Toshiba logo guidelines



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S300 / S300 Pro: Product pages, datasheets and images

Next

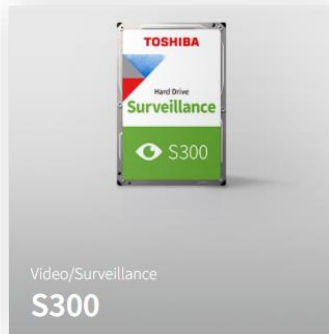


Toshiba Product
information pages
(Choice of language)

Datasheets

Product Images
Virtual labels, lifestyle, packaging

S300



Download



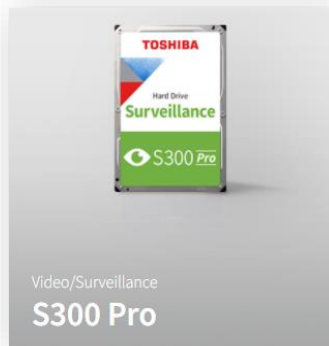
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S300 Pro



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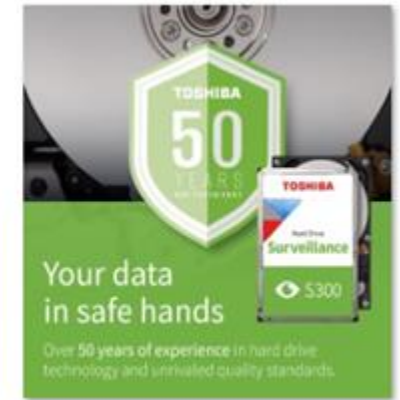


← Call-out text images

Ready-made retail images (Call-out text added) – Jpg (2000 x 2000) format

Languages
Available

S300
Download



English
German
French
Spanish
Polish
Italian
Swedish

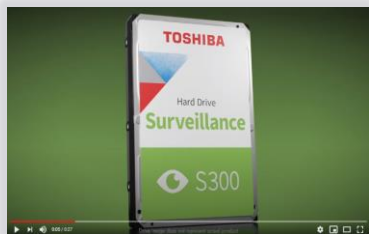
S300 Pro
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← S300 / S300 Pro: Videos and newsletter templates

Next →

S300 Video



View on you tube



S300 and S300 Pro Video



View on you tube
Longer version



Shorter version



Newsletters

Download



English
S300 and S300 Pro

Download



English
S300 Pro

Surveillance HDD portfolio Video



View on you tube



Securing the future: Toshiba and DVS in partnership



View on you tube
English sub-titles



View on you tube
Dutch sub-titles



View on you tube
French sub-titles



View on you tube
Spanish sub-titles



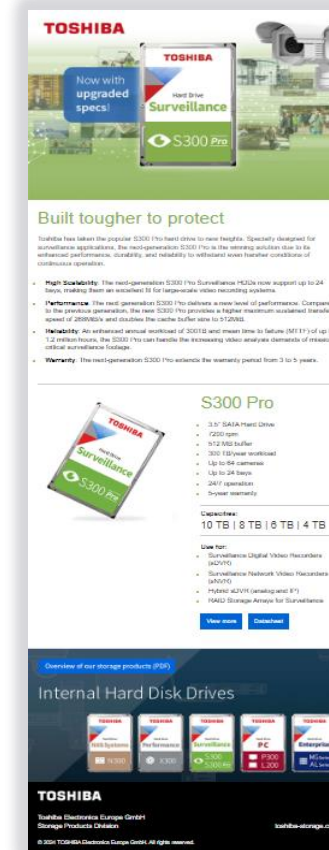
View on you tube
German sub-titles



View on you tube
Italian sub-titles



MP4 files also available on request





S300 / S300 Pro: Web Banners

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S300 & S300 Pro



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S300



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S300 Pro



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S300 / S300 Pro: Social media visuals



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S300



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S300 Pro



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← Pull-up Banner artwork

[Next](#)

English

French

German

Spanish

Dutch

Polish

Turkish



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Print /online artwork

Next



Ad
Size A4

Ad
180 x 134 mm

English

TOSHIBA

Purpose-built storage solutions for surveillance systems

S300 Pro / S300
Surveillance Hard Drives

Top Features

- 3.5" SATA Hard Drive
- 24/7 operation
- Up to 300 TB/year

S300 Pro:

- 10 | 6 | 4 TB
- 5,400 rpm
- 256 MB buffer (6 | 4 TB)
- Supports up to 64 video cameras
- 5-year warranty

S300:

- 6 | 4 | 2 | 1 TB
- 5,400 rpm (6 | 4 | 2 TB) | 5,700 rpm (1 TB)
- 256 MB buffer (6 | 4 TB) | 128 MB buffer (1 TB)
- Supports up to 64 video cameras

toshiba-storage.com

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TOSHIBA

Purpose-built storage solutions for surveillance systems

S300 Pro & S300

Surveillance Hard Drives

With up to 30 TB of storage capacity and support for up to 64 video cameras, the S300 Pro Surveillance Hard Drive ensures robust surveillance around the clock. The S300 is optimized for the requirements of surveillance systems for small and medium-sized businesses (SMBs) with up to 64 high-resolution camera streams.

Use for

- Surveillance Digital Video Recorders (DVR)
- Surveillance Network Video Recorders (NVR)
- Hybrid iDVR (analog and IP)
- RAID Storage Arrays for Surveillance (only S300 Pro)

Top Features

- 3.5" SATA Hard Drive
- 24/7 operation
- Up to 300 TB/year

S300 Pro:

- 10 | 6 | 4 TB
- 7,200 rpm
- 512 MB buffer
- Supports up to 64 video cameras
- 5-year warranty

S300:

- 6 | 4 | 2 | 1 TB
- 5,400 rpm (6 | 4 | 2 TB) | 5,700 rpm (1 TB)
- 256 MB buffer (6 | 4 TB) | 128 MB buffer (2 TB) | 64 MB buffer (1 TB)
- Supports up to 64 video cameras

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Overview matrix
Size A4

TOSHIBA

SURVEILLANCE HARD DRIVES

PRODUCT SERIES	MG Series	S300 Pro	S300
Short product description	The MG Series offers formatted capacities as high as 22 TB with interface options including SATA and SAS and delivers 24/7 operation at a workload of 500 TB/year. The MG Series is ideal for enterprise storage array and industrial server and storage systems. It provides the capacity and advanced technologies to meet the special demands of datacenter and cloud-scale infrastructures.	Elevate your security solutions with the Toshiba S300 Pro Surveillance Hard Drive. Engineered for relentless reliability, it offers up to a massive 30 TB storage capacity to capture and retain every critical moment for long periods with real-time object identification and face recognition. Accommodating up to 64 video cameras, it's ideal for comprehensive surveillance setups. Benefit from high-end drive performance that delivers superior video quality and seamless streaming. Built to the highest quality standards, you'll have peace of mind knowing that your surveillance footage is stored securely.	The 3.5-inch S300 Pro Surveillance Hard Drive is designed and tested for 24/7 reliable surveillance, built for speed, capacity, and longer content retention. With up to 10TB capacity, capture and analyze every frame from up to 64 video cameras in high resolution with the S300 Pro.
Suitable for	Enterprise Capacity	Surveillance	Surveillance
Capacities	22 TB (20 TB) 16 TB (16 TB) 14 TB (12 TB) 10 TB (8 TB) 6 TB (4 TB) 2 TB (1 TB)	10 TB (8 TB) 6 TB (4 TB)	6 TB (4 TB) 2 TB (1 TB)
Form Factor	3.5-inch	3.5-inch	3.5-inch
Interface	SAS 12 Gb/s SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
API	7,200	7,200	5,400 5,700
Buffer	512 MB	512 MB	256 MB 128 MB 64 MB
Warranty	5 years	5 years	3 years
24/7 Operation	✓	✓	✓
Multi-RAID systems	✓	✓	-
RV sensor	✓	✓	-
Shock sensor	✓	✓	✓

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Collateral available for events & presence in demo/training rooms

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Datasheets

Pull-up banner

Giveaways

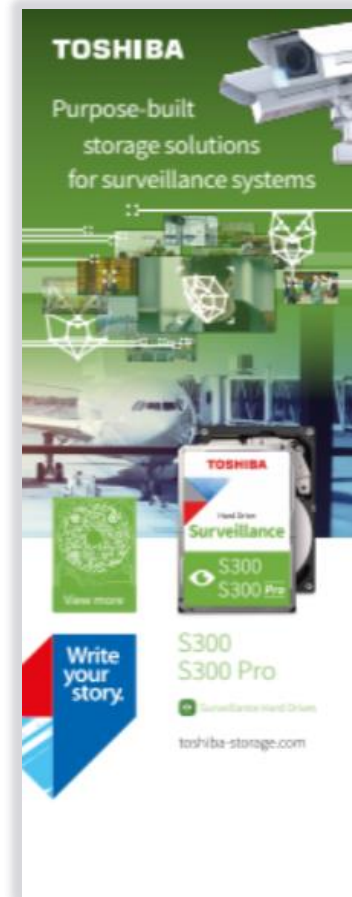
(Examples – these may change due to availability)

Desktop displays

Tablecloths (limited availability in black and white)



For permanent in-house displays
and events



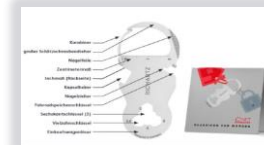
Bit-Set Pen



Bit-Set Toolbox



Shopping Cart Tool



Post-its Surveillance



Dummy displays
for training/demo rooms and trade desks
or smaller events



Dummy displays for showcase requirements
at larger tradeshow events



Showcased on our website

Toshiba Surveillance Solutions

Fully supporting the requirements of today's surveillance storage market, Toshiba's expansive surveillance HDD line-up targets the increasing demand of small & medium businesses, professional & public and big data & analytics. Optimised for network video recorders (NVR), digital video recorders (DVR) or centralized backend storage.

Application Area

Toshiba offers purpose built surveillance storage solutions targeting the different requirements of application areas in today's growing surveillance market. They provide stable 24/7 operation and are optimised for the needs of leading surveillance DVRs and NVRs.



Commercial



Transportation



Business Environment



Logistics



Government and Public



Finance



Hospitality



Smart City



Click on each application area to Download





Case studies and Insight articles



TOSHIBA

Video Surveillance

Reliable Storage Systems That Meet Expectations of High-Resolution Video Data Streams

Author: John Chen, Specialist Product Marketing Management, Storage Products Division, Toshiba Electronics Europe GmbH

Video surveillance systems are becoming larger cameras, with higher resolution. Consequently, the volume of data being generated is growing at an exponential rate. This growing trend means that the storage media being used has to be highly capable and reliable, and it is not just the volume of data that is growing, but the quality of the data itself. The data is becoming more and more critical, and it is becoming more and more difficult to manage.

The volume of video surveillance is becoming, in addition to the growing need for security, a major cost factor. But there are also other cost factors emerging in the field of video surveillance. The storage and management of the data is becoming a major cost factor. The storage and management of the data is becoming a major cost factor. The storage and management of the data is becoming a major cost factor.

Video surveillance is becoming smarter and more effective than ever as a way to fight crime, discover the causes of accidents for better prevention, and to help find missing people. All these camera means a lot of video data being sent to storage devices.

These Surveillance Digital Video Recorders (DVRs) and Surveillance Network Video Recorders (NVRs) need to be built to withstand that huge barrage of data coming in from multiple sources and often at high bandwidths. When it comes to longer term storage, data needs to be retained for years without dropping frames, while still being accessible to video management systems and able providing fast access to imagery for analysis.

Maintaining these storage solutions under the huge data pressures, which are only going to get greater, requires a very specific solution. The result are drives which are made specifically for the needs of surveillance.

What causes drive data to be lost or damaged?

The warranty of a drive typically gives you a number of years before that drive should be replaced in order to maintain safe operation. But the warranty only offers those years of secure and reliable life based on a number of external factors being within a certain range. This is why it is important to understand those factors and control them in order to get the most accurate measure of reliability for long-term security. So, what are these factors?

One of the major considerations that can affect how long a drive lasts is the operating temperature. In the center of a data dynamic bearing that is responsible for the platters, which store the data, spinning constantly. Since this bearing only sits on a lubricating fluid, any prolonged increase in temperature can cause that fluid to become thinner and ultimately leak. In the long term a leak of this kind will increase the chance of failure.

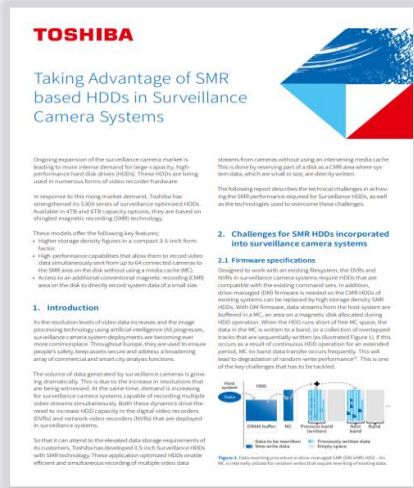
This is a key that surveillance grade drives offer an improvement over our enterprise grade drives. This is because surveillance drives can typically operate within a temperature range of 5 to 35 degrees Celsius, whereas enterprise drives can only operate within a temperature range of 15 to 30 degrees Celsius. When an enterprise drive is used in a surveillance application, the temperature can rise to 35 degrees Celsius, which is a much higher temperature than the drive was designed for. This can cause the drive to fail.

The second workload is another one to look out for. This refers to the way which a spinning disk will inevitably suffer with that workload. The amount of work that drive does, in terms of reading and writing data, will affect the amount of wear and the rated workload for surveillance drives the typical rating is up to 300 TB/year. The rated workload is a measure of the amount of data that can be written to the drive over a period of 5 years. If the drive is used in a surveillance application, the workload can be much higher than the rated workload, which can cause the drive to fail.

Toshiba Electronics Europe GmbH is a leading provider of surveillance storage solutions. Our drives are designed to meet the demands of surveillance applications, providing reliable and secure storage for years to come.

Further Information: [Surveillance Drives](#)

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TOSHIBA

Taking Advantage of SMR based HDDs in Surveillance Camera Systems

Author: John Chen, Specialist Product Marketing Management, Storage Products Division, Toshiba Electronics Europe GmbH

Original inspection of the surveillance camera market is leading to more interest in SMR based HDDs. High performance hard disk drives (HDDs). These HDDs are being used in a wide range of applications, from surveillance to enterprise storage. The use of SMR based HDDs is becoming more and more common, and it is becoming more and more difficult to manage.

In response to this growing market demand, Toshiba has strengthened its SMR based HDD product line. Available in 3.5 inch and 2.5 inch formats, they are based on advanced magnetic recording (SMR) technology.

These modules offer the following key features:

- Higher storage density figures in a compact 3.5 inch form factor.
- High performance capabilities that allow them to record video data continuously from 24/7 connected cameras to the SMR area on the disk without using a media cache (MC).
- As an additional conventional magnetic recording (CMR) area on the disk to directly record system data of a small size.

1. Introduction

As the resolution levels of video data increase and the image processing technology using artificial intelligence (AI) progresses, surveillance camera systems requirements are becoming more and more demanding. In the past, they are used to monitor people's safety, keep security and address a threatening array of commercial and security projects functions.

The volume of data generated by surveillance cameras is growing exponentially. This is due to the increase in resolution that are being achieved. At the same time, demand is increasing for surveillance camera systems capable of recording multiple video streams simultaneously. Both these demands threaten the use of current HDD capacity in the digital video recorder (DVR) and network video recorder (NVR) that are deployed in surveillance systems.

Typical use case scenario for the advanced data storage requirements of its customers, Toshiba has developed 3.5 inch Surveillance HDDs with SMR technology. These drives are designed to be able efficient and simultaneous recording of multiple video data streams from cameras without using an intervening media cache. This is done by recording data in a disk area where video streams data, which are small in size, are directly written.

The following report describes the technical challenges in achieving the SMR performance required for Surveillance HDDs, as well as the techniques used to overcome these challenges.

2. Challenges for SMR HDDs incorporated into surveillance camera systems

2.1. Firmware specifications

Designed to work with an existing firmware, the 2.5 inch and 3.5 inch Surveillance Camera Systems require HDDs that are compatible with the existing camera software. In addition, these managed SMR firmware is needed to the SMR HDDs of existing systems.

2.2. Performance specifications

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Typical use case scenario for the advanced data storage requirements of its customers, Toshiba has developed 3.5 inch Surveillance HDDs with SMR technology. These drives are designed to be able efficient and simultaneous recording of multiple video data streams from cameras without using an intervening media cache. This is done by recording data in a disk area where video streams data, which are small in size, are directly written.

Figure 1: Typical use case scenario for the advanced data storage requirements of its customers, Toshiba has developed 3.5 inch Surveillance HDDs with SMR technology. These drives are designed to be able efficient and simultaneous recording of multiple video data streams from cameras without using an intervening media cache. This is done by recording data in a disk area where video streams data, which are small in size, are directly written.



TOSHIBA

Case Study

OPTIMA NETWORKS

Author: John Chen, Specialist Product Marketing Management, Storage Products Division, Toshiba Electronics Europe GmbH

Optima Networks is a leading provider of network storage solutions. Their products are designed to meet the demands of network storage applications, providing reliable and secure storage for years to come.

As the core of Optima Networks' business is the supply and delivery of reliable equipment and the implementation of complete intelligent network configurations, the company is constantly looking for new and innovative solutions to meet the needs of its customers.

The comprehensive range of a surveillance system may need to take into account a number of factors, including the type of camera used, the type of storage media used, and the type of network used. The company is constantly looking for new and innovative solutions to meet the needs of its customers.

Key challenges

Providing high reliability and performing network and security solutions to meet the most stringent requirements.

Solutions

Toshiba MC Series 3.5 inch high performance surveillance hard disk drives combined with Network Optima Networks (NOR) including Network Optima Networks (NOR) and Network Optima Networks (NOR) are the most reliable and secure storage solutions for surveillance systems.

Business Outcomes

Unprecedented data availability through high reliability and performance. Fast random access of all recordings with a low recording environment. Very intuitive and extremely powerful graphical interface.

SOLVING CUSTOMER SURVEILLANCE CHALLENGES 24/7

These aspects play an important role for our customers, including a leading transport and systems company in Europe, who provides added value services in the areas of road transport, air and sea freight, logistics and transport, and forwarding services. Global Network Surveillance, Optima Networks Europe GmbH is a leading provider of network storage solutions. Their products are designed to meet the demands of network storage applications, providing reliable and secure storage for years to come.

One of the major requirements of the company's surveillance system is to monitor multiple sites and buildings – making the immense data activity of



TOSHIBA

Case Study

dvs DELIVERING VISION

Author: John Chen, Specialist Product Marketing Management, Storage Products Division, Toshiba Electronics Europe GmbH

Toshiba's recent R&D investment in the Surveillance HDD range has meant a solid and strong progression in a storage powerhouse. They have an enviable reputation in this market segment and one we are only proud to be a part of.

Kevin Dunnehy | Commercial Director of DVS

INTRODUCTION

Today's intelligent surveillance solutions have a range of challenges. It is not only large organizations that are looking for 24/7 protection from crime, vandalism, theft, and burglary. Small businesses, shop owners, and the general public are demanding solutions too. Customers also want rapid access to the data recorded, in order to review it and implement counter measures. All this places further pressure on the surveillance industry to plan solutions that are easy to install, support remote access, and can be quickly searched. Technologies such as smart monitoring, AI, thermal imaging, and face recognition are driving us to the next level.

EXCEEDING STANDARDS OF SMART SURVEILLANCE SOLUTIONS

To get the most out of these technologies, a security plan is mandatory. The positioning of cameras must be considered, as well as the quality of the camera used. For more complex projects, a management policy is highly recommended and data must be managed to be addressed appropriately.

Business Outcomes

Implementation of product performance & capacity. Strengthening of customer service & satisfaction in collaboration with DVS. Set of exclusive & trusted partnership with DVS.

Intelligent surveillance solutions demands secure and reliable storage, which is why DVS started a partnership with Toshiba Electronics Europe GmbH (TEEC) in 2021. This partnership began during the start of the COVID pandemic, and from the beginning, Toshiba has lived up to their initial



TOSHIBA

Surveillance data storage: What you need to know

Author: John Chen, Specialist Product Marketing Management, Storage Products Division, Toshiba Electronics Europe GmbH

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One of the major considerations that can affect how long a drive lasts is the operating temperature. In the center of a data dynamic bearing that is responsible for the platters, which store the data, spinning constantly. Since this bearing only sits on a lubricating fluid, any prolonged increase in temperature can cause that fluid to become thinner and ultimately leak. In the long term a leak of this kind will increase the chance of failure.

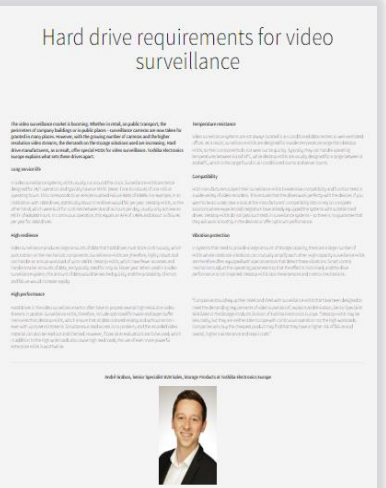
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The second workload is another one to look out for. This refers to the way which a spinning disk will inevitably suffer with that workload. The amount of work that drive does, in terms of reading and writing data, will affect the amount of wear and the rated workload for surveillance drives the typical rating is up to 300 TB/year. The rated workload is a measure of the amount of data that can be written to the drive over a period of 5 years. If the drive is used in a surveillance application, the workload can be much higher than the rated workload, which can cause the drive to fail.

Toshiba Electronics Europe GmbH is a leading provider of surveillance storage solutions. Our drives are designed to meet the demands of surveillance applications, providing reliable and secure storage for years to come.

Further Information: [Surveillance Drives](#)

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TOSHIBA

Hard drive requirements for video surveillance

Author: John Chen, Specialist Product Marketing Management, Storage Products Division, Toshiba Electronics Europe GmbH

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Solving Customer Surveillance Challenges 24/7

Download



Taking advantage of SMR based HDDs in Surveillance camera systems

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Solving Customer Surveillance Challenges 24/7

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Exceeding Standards Of Smart Surveillance Solutions

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Surveillance data storage. What you need to know.

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Hard drive requirements for video surveillance

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TOSHIBA

Lab Report

for videocon "Concept Pro VUHDIP-16.3" HDs in Toshiba HDDs and form in NVR environments?

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Picture 1: Concept Pro NVR in the Toshiba HDD Lab

Introduction

Surveillance and more from operation 24 hours a day. Today's work is not only about security, but also about the need for a reliable and secure storage solution. The volume of data generated by surveillance cameras is growing exponentially. This is due to the increase in resolution that are being achieved. At the same time, demand is increasing for surveillance camera systems capable of recording multiple video streams simultaneously. Both these demands threaten the use of current HDD capacity in the digital video recorder (DVR) and network video recorder (NVR) that are deployed in surveillance systems.

Typical use case scenario for the advanced data storage requirements of its customers, Toshiba has developed 3.5 inch Surveillance HDDs with SMR technology. These drives are designed to be able efficient and simultaneous recording of multiple video data streams from cameras without using an intervening media cache. This is done by recording data in a disk area where video streams data, which are small in size, are directly written.

Figure 1: Typical use case scenario for the advanced data storage requirements of its customers, Toshiba has developed 3.5 inch Surveillance HDDs with SMR technology. These drives are designed to be able efficient and simultaneous recording of multiple video data streams from cameras without using an intervening media cache. This is done by recording data in a disk area where video streams data, which are small in size, are directly written.

Figure 2: Concept Pro System Information

For Videocon "Concept Pro VUHDIP-16.3" How do Toshiba HDDs perform in NVR environments?

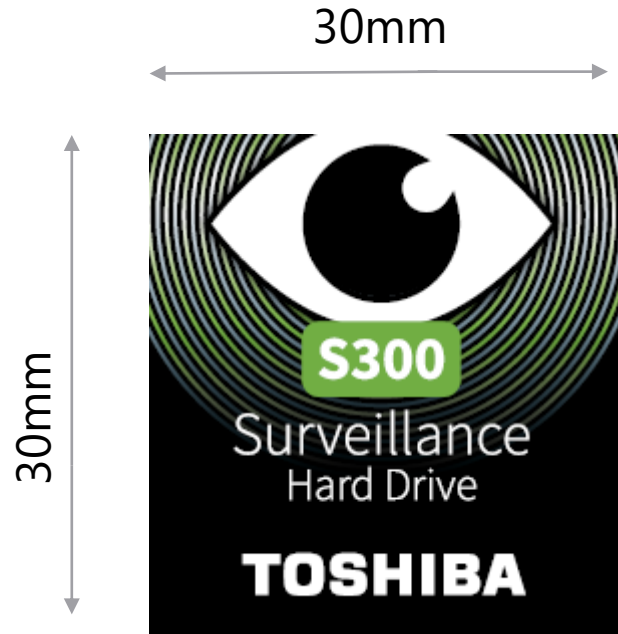
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Stickers can be placed directly onto surveillance solution DVR/NVR chassis for brand awareness at the end user and installer customer level.

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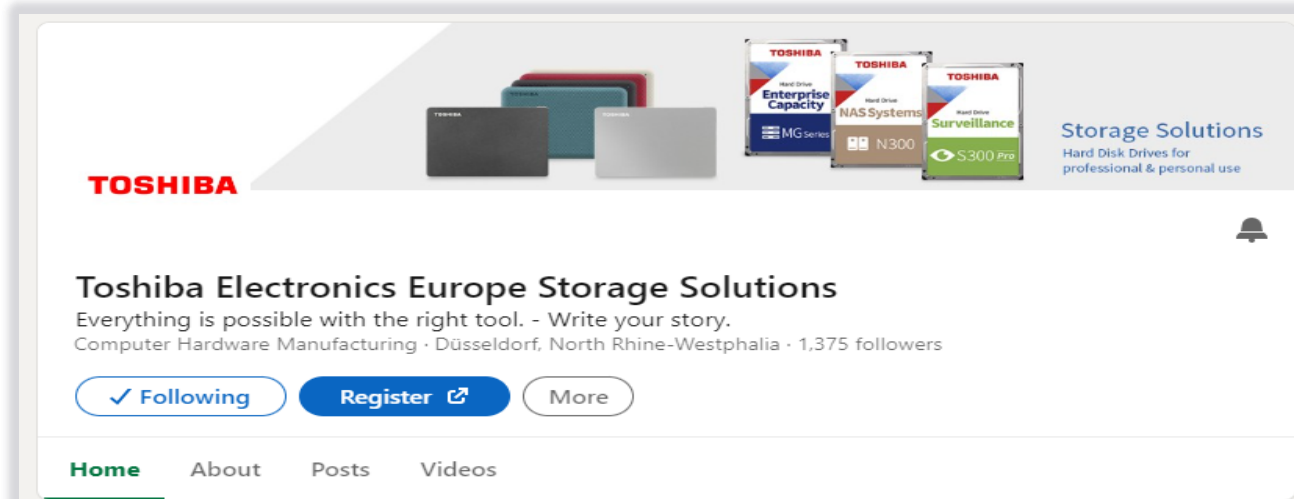
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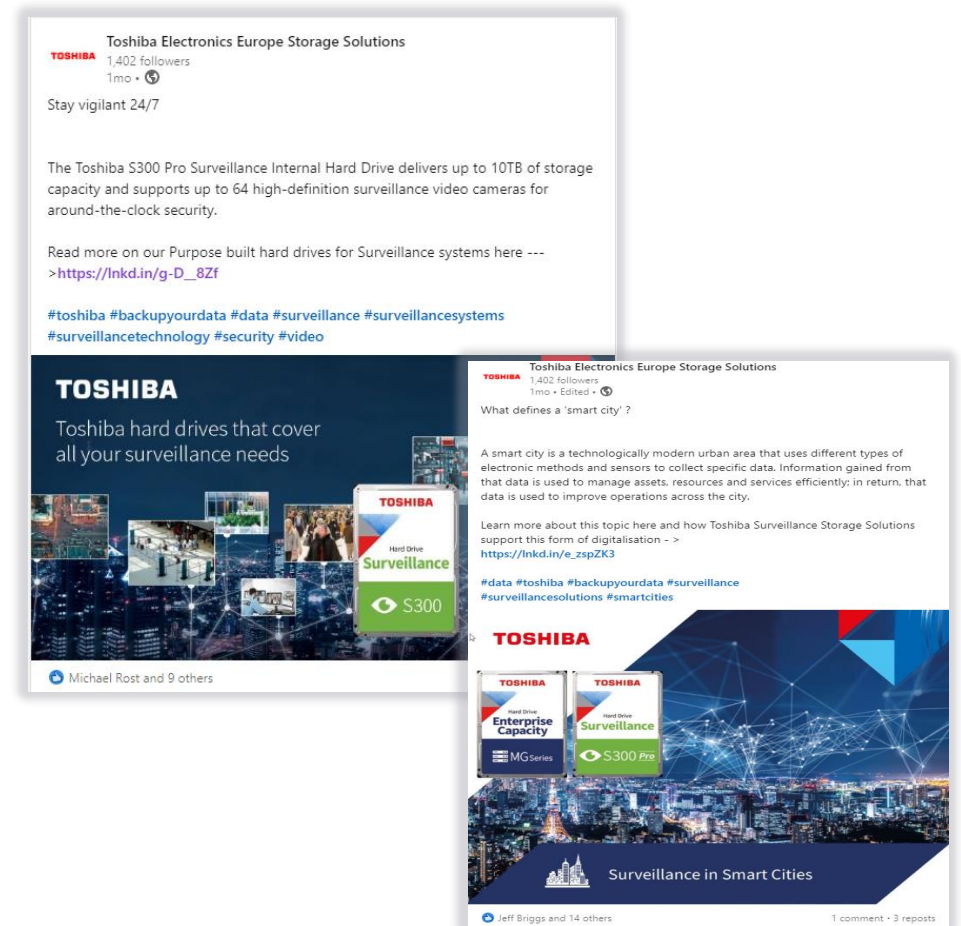
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