

Video Surveillance Storage Market by Storage Device (NAS, DAS, SAN), Storage Media (SSD, HDD), Storage Capacity (1TB, 2TB, 4TB, and above), Surveillance System Used (IP, Analog), and Software (Video Analytics, Video Management) - Global Forecast to 2029

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Report description:

The global video surveillance storage market will grow from USD 9.5 billion in 2024 to USD 12.6 billion by 2029 at a compounded annual growth rate (CAGR) of 5.7% during the forecast period. The solutions to video surveillance storage are rapidly changing the perception of industries towards security and operations. These solutions provide reasonable storage capabilities to store contemporary security systems' increasing HD video data. Especially for retail and banking industries, storing data for a long time is essential to meet compliance requirements and prevent fraud and heists. In production, the video storage system is used with analytics to control production lines regarding safety productivity, among other facets. Some companies benefiting from these solutions include healthcare facilities where patient safety and safety of the hospital areas of restricted access are essential. Besides security, video surveillance storage solutions are helping industries enhance elemental business understanding. In transportation, these systems control traffic and ensure passengers' safety. In smart cities, they contribute to optimizing policies and safety measures using pattern analysis from the video data. An advantage of monitoring critical energy infrastructure is that much less workforce is required on-site, and threats can be detected and dealt with faster. Overall, video surveillance storages enhance security and offer essential data corresponding to organizational efficiency and innovation in fields ranging from manufacturing to healthcare.

"The SSD holds the highest CAGR by storage media during the forecast period."

The video surveillance storage market is segmented by storage media into SSD and HDD. The SSD segment is estimated to grow at the highest CAGR during the forecasted video surveillance storage market. SSDs are critical in the video surveillance storage market since they provide high speed, reliability, and durability for storing real-time video footage and analysis. SSDs offer high

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IOPS and low access times necessary for instant video streaming and computation. They are also very durable and possess no parts that can wear out, which makes them suitable for long working periods and free from mechanical breakdowns. For instance, Seagate has developed the SkyHawk AI SSD targeted at artificial intelligence advanced surveillance systems. Such manufacturers adopt these SSDs as Dahua Technology to improve the company's video surveillance products. Dahua incorporates SkyHawk AI SSDs into its systems for fast access and handling of high-definition video data for fast security surveillance and response to incidences. Its non-blocking features regarding power efficiency and compactness make it possible for better storage organization than traditional HDDs; in terms of high-performance video surveillance systems, SSDs became critical components.

"The IP surveillance system segment holds the largest market share during the forecast period based on surveillance systems."

The video surveillance storage market is divided into surveillance systems, such as IP surveillance and analog surveillance. The IP surveillance segment holds the largest market share. IP video surveillance systems utilize network-equipped and digital cameras offering high-resolution videos and some extra peripherals. Perfect for contemporary, growing, and elastic solutions, IP systems work in commercial offices and financial districts, in large public areas, and public utilities. Some advantages include accessing the cameras remotely, interfacing with other security measures, and quality video output. It can broadcast data through the internet or LAN, offer ease of expansion and provide complex functionalities such as motion detection and analytics. Although IP systems usually cost more and need network structure, their performance and developability are much better than analog ones.

"Based on the storage capacity, the 2 TB storage capacity segment holds the highest CAGR during the forecast period."

The video surveillance storage market is segmented by storage capacity into 1 TB, 2 TB, 4 TB, and above 4 TB. The 2 TB segment is expected to hold the highest CAGR during the forecast period. Small installations such as retail chains or schools can easily manage surveillance using a VMS capable of offering 2 TB storage. This capacity allows for a fair number of cameras and also comes with the bonus of deciding how long recorded footage is retained compared to 1 TB choices. For instance, the storage space of 2 TB can capture about 2-4 weeks' worth of continuous recording from high-definition cameras, depending on the device's settings. This storage level is helpful in conditions where moderate portions of information are preserved for a long time and can also encompass internal and external sites without greatly enhancing the expenses required to facilitate per-site storage.

Breakdown of primaries

We interviewed Chief Executive Officers (CEOs), directors of innovation and technology, system integrators, and executives from several significant video surveillance storage market companies.

-□By Company: Tier I: 35%, Tier II: 25%, and Tier III: 40%

-□By Designation: C-Level Executives: 25%, Director Level: 30%, and Others: 45%

-□By Region: North America: 25%, Europe: 20%, Asia Pacific: 45%, Rest of World: 10%

Some of the significant video surveillance storage market vendors are Western Digital Corporation (US), Seagate Technology (US), Hitachi (Japan), Dell Technologies (US), Honeywell (US), NetApp (US), Avigilon (Canada), Bosch (Germany), Hikvision (China), and Toshiba (Japan).

Research coverage:

The market report covered the video surveillance storage market across segments. We estimated the market size and growth potential for many segments based on offering, storage capacity, deployment type, surveillance system, storage media, organization size, vertical, and region. It contains a thorough competition analysis of the major market participants, information about their businesses, essential observations about their product and service offerings, current trends, and critical market strategies.

Reasons to buy this report:

With information on the most accurate revenue estimates for the whole video surveillance storage industry and its subsegments, the research will benefit market leaders and recent newcomers. Stakeholders will benefit from this report's increased understanding of the competitive environment, which will help them better position their companies and develop go-to-market strategies. The research offers information on the main market drivers, constraints, opportunities, and challenges, as well as aids players in understanding the pulse of the industry.

The report provides insights on the following pointers:

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Analysis of key drivers (Increased need for AI vision-based video surveillance system, Need to utilize and examine unstructured video surveillance data in real-time, Growing need to leverage BI and actionable insights for advanced operations, IP cameras require high storage capacities, Reduced cost and high storage space of hard disk drives and solid state drives), restraints (Privacy concerns with video surveillance, Investments in existing legacy surveillance systems to prevent the adoption of new advanced solutions), opportunities (Growing funds from governments and stakeholders for developing smart cities, Emergence of edge technologies and devices to increase use of video surveillance storage, Increasing traction of industrial-grade flash memories), and challenges (Highly competitive environment for companies offering video surveillance storage, Demand for higher bandwidth leading to higher associated costs) influencing the growth of the video surveillance storage market.

-□Product Development/Innovation: Comprehensive analysis of emerging technologies, R&D initiatives, and new service and product introductions in the video surveillance storage industry.

-□Market Development: In-depth details regarding profitable markets: the paper examines the global video surveillance storage industry.

-□Market Diversification: Comprehensive details regarding recent advancements, investments, unexplored regions, new goods and services, and the video surveillance storage industry.

-□Competitive Assessment: Thorough analysis of the market shares, expansion plans, and service portfolios of the top competitors in the video surveillance storage industry, such as Western Digital Corporation (US), Seagate Technology (US), Hitachi (Japan), Dell Technologies (US), and Honeywell (US).

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