

The evolution of surveillance

Safety and security are always a concern. Governments, corporations and even individuals must protect themselves and their assets. One of the most popular methods employed to enhance security and safety is with video – one of the most storage-intensive file formats around. As the affordability of high-definition surveillance cameras has declined and their widespread use has been adopted, the demand for reliable and scalable storage has skyrocketed. As a result – according to IHS – the market for enterprise storage solutions in security is forecasted to grow by a 14.8% compound annual growth rate (CAGR) over the next five years.¹ As evidenced by the data, increased presence and enhanced requirements of modern surveillance systems, there is a pressing need for specialized hard drives that offer more storage capacity and advanced features designed specifically for DVRs, NVRs, CCTV, IPTV and other surveillance mediums.

Surveillance storage for peace-of-mind

As a worldwide storage leader, WD strives to design drives to exceed the demanding requirements of digital video surveillance. With design, development, manufacturing and industry-leading customer support services, WD's surveillance partners receive best-in-class products with innovative feature sets, ensuring that digital video surveillance systems equipped with WD drives are optimized for maximum performance.

Whether you're protecting your personal assets and loved ones or monitoring the business you worked hard to build, you can rely on surveillance storage built by one of the largest hard drive manufacturers in the world. WD surveillance hard drives are designed for high temperature, always-on, surveillance security systems to ensure reliability and quality video playback when you need it most.

For detailed product information, visit www.wd.com/surveillance

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¹ "Video Surveillance & Storage: Opportunities at the Intersection of IT & Physical Security." <https://technology.ihs.com>. IHS Technology, Sept. 2014. Web. Apr. 2015.



MORE CAMERAS.
MORE FOOTAGE.
MORE SURVEILLANCE.

WD® Surveillance Hard Drives



WD gives you the security you want at the scale you need

Standard desktop hard drives are designed to operate approximately eight hours a day for five days per week. Consider now that a DVR or high-end surveillance system typically runs 24 hours per day, for seven days per week recording numerous simultaneous video streams. What's needed for applications like these is another type of drive, a WD surveillance drive.

WD has designed a storage lineup perfect for digital video surveillance and its many unique environments and application sets. WD's surveillance drives enable DVR, NVR, CCTV, IPTV and other digital video surveillance systems. These purpose-built drives deliver a comprehensive range of features and capabilities such as high-resolution image quality, streaming video from multiple high-definition cameras, video archiving with ultra-fast data access and on-demand video playback.

Regardless of the surveillance environment, whether it's banking, casino, retail, commercial, residential, corporate, government or law enforcement, WD surveillance drives deliver the performance, capacity and reliability that surveillance applications require.

Desktop Drive Limitations

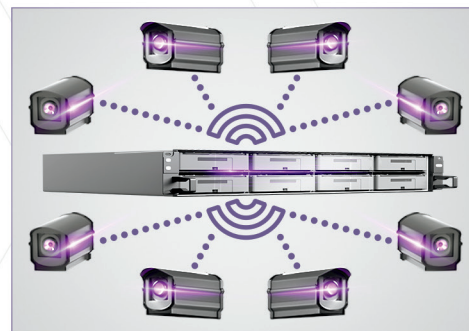
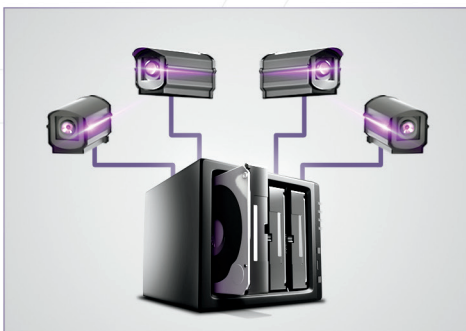
- Not designed for 24/7 surveillance environments
- No RAID support with error recovery controls
- Suboptimal power efficiency
- Not designed or tested for surveillance environments
- Potential integration and upgradability difficulties
- Minimal or no power backup in the event of power loss

Surveillance Hard Drive Benefits

- Purpose built for 24/7 surveillance environments
- Supports multiple bays and multiple camera streams
- Engineered for compatibility in a wide range of surveillance systems
- Enables upgrades & expansion of existing surveillance systems
- Lower power consumption

Understanding today's surveillance market

The surveillance market is splitting into two primary types of systems; DVR – primarily analog systems that have cameras directly connected to the system, and NVR – digital systems that have cameras connected via IP (internet protocol). Due to the fact that DVRs have a finite number of cameras that can be physically attached, the number of streams and maximum workload on the hard drives can be determined. Since NVRs theoretically can have an unlimited number of cameras attached to the system, the number of streams, workload on the hard drive, and the system's retention period can scale beyond that of a DVR.*



*There are limitations, primarily tied to system capability, so NVRs are not infinitely scalable.

Choosing the right surveillance-class drive

WD offers a complete line of surveillance-class storage designed for home, small to medium business or mission critical security systems. These hard drives are engineered to support the rigorous 24/7, always-on, high-definition video requirement set unique to surveillance security systems. Choose a hard drive that is designed and engineered for surveillance systems and enjoy the peace-of-mind you can only get from surveillance-class storage.



Balanced reliability, performance and cost storage.



Purpose built storage for NVR Surveillance systems.



Maximum reliability and performance storage for large business and mission critical surveillance.

Product	WD Purple™	WD Purple™ NV	WD Gold™
Form Factor & Capacity	3.5-inch: Up to 8TB	3.5-inch: 4TB & 6TB	3.5-inch: Up to 10TB
Application	Mainstream Surveillance	Mid-range and Small-Med Business Surveillance	High-end and Mission Critical Surveillance
Usage Environment	Residential / SMB / Retail / Commercial	Residential / SMB / Retail / Commercial	Retail / Commercial / Banking / Casino / Corporate / Government / Law Enforcement
Advantages	<ul style="list-style-type: none"> - Built for 24/7 surveillance environments - Engineered for compatibility in a wide range of surveillance systems - Improved performance with AllFrame™ Technology - Low power & quiet operation - Enables upgrades & expansion of existing surveillance systems 	<ul style="list-style-type: none"> - Designed specifically for NVR surveillance systems (and backwards compatible with DVR systems) - Support for greater than 8 NVR surveillance bays with up to 64 HD camera count - Increased workload capabilities (TB/year) with optimized power consumption - Available in 4 TB & 6 TB capacities - Designed with tarnish resistant components for premium protection in harsh environments 	<ul style="list-style-type: none"> - Designed for heavy application workloads - StableTrac™ and RAFF™ for enhanced vibration tolerance - 7200 RPM Class performance - 24x7x365 reliability
Number of Bays	1 to 8 Bays	8 Bays (No Limit)*	8 Bays (No Limit)*
Number of Cameras	1 to 32 Cameras	1 to 64 Cameras	No Limit
Power on Hours	24/7	24/7	24/7
RAID Support	Yes	Yes	Yes
Limited Warranty	3-Year	3-Year	5-Year

*The specific number of cameras and hard drive bays that can be supported will be dependent on a number of criteria including but not limited to: types and capability of cameras installed (resolution, frames per second, additional features) and the system's hardware and software capability.