

Smart Cities

According to a United Nations study, 1.3M people more into cities every week, with predictions of 7 billion people living in cities by 2040. With more dense populations and a desire to live in a higher quality of life, cities are looking to leverage advancement in technologies to make lives safer and more efficient in fixing issues from rising crime rates to increased traffic.

THE NEED
 Cities are securing public spaces and safeguarding residents from threats.

OPPORTUNITY
 Innovation from a variety of sensors to manage assets and resources more effectively than ever before allows city authorities to explore opportunities to improve and create a more positive experience of big city life.

CHALLENGES
 Aspects of smart city operations, but its significance is especially in surveillance projects. With the advent of HD and 4K video quality, storing more data than ever before, and with IoT devices the influence of smart cities in several areas:

- Using body-worn cameras, advanced surveillance cameras, gunshot detectors and home security systems enable real-time predictive policing with the aim to reduce crime.
- Wearable devices and patient monitoring provides real-time alerts to staff who can intervene in a crisis, helping to lower mortality rates.
- Smart traffic lights, routes can be optimised based on traffic patterns, easing congestion, shortening commutes and reducing emergency response times.

The potential for smart cities may be limitless, but solutions are only as good as the data that they store, analyse and deliver in a timely manner and the reliability of that storage is critical. SkyHawk™ AI surveillance drives are tuned for 24/7 workloads, and feature ImagePerfect™ firmware helping to minimize dropped frames to enable smooth, clear video streaming at the heart of smart city surveillance applications.

For environments that require scaling capabilities in storing petabytes of data from thousands of cameras, Seagate® EXOS™ enterprise hard drives can take storage to an even greater level, with trusted performance, solid reliability and unrivalled enterprise security, including the industry's first 16TB drive.

Smart. Safe. Secure.
 For vigilant surveillance from the leader in storage.
 The world's first, purpose-built drive for AI-enabled surveillance solutions.

New advances in how we use video capture technology require a new kind of support for analytics at the data device level. SkyHawk™ AI is the first drive that meets this new need. Purpose-built to handle the always-on, heavy workloads required in AI-enabled NVR environments, it can simultaneously record and both video and AI footage from multiple HD cameras as required.

Analytics grow. Storage hardware is needed for data.

8 to 14TB drives available
 Delivers zero dropped frames with ImagePerfect™ AI
 Supports 50/50% read and write of AI streams and can scale AI workloads to match the unique user's environment
 Video streaming optimised for surveillance environments requiring 10/90% read and write workloads
 Custom designed to support up to 32 AI streams simultaneously with 64 video streams
 3x the workload of standard surveillance HDD with 550TB/year
 Reliability, MTBF 2 million hours
 3-year limited warranty with optional 2-year rescue data recovery service

8 to 14TB drives available
 Delivers zero dropped frames with ImagePerfect™ AI
 Supports 50/50% read and write of AI streams and can scale AI workloads to match the unique user's environment
 Video streaming optimised for surveillance environments requiring 10/90% read and write workloads

Supports smooth video streaming from multiple camera inputs with zero dropped frames
 3x the workload of standard HDD with 180TB/year reliability, MTBF 1 million hours
 3-year limited warranty

Core needs & requirements

Reliability
 Scalability
 Data loss protection

Typical customer trade / industry

Banking/Finance, Retail, City, Security

Core needs & requirements

- Reliability
- Performance
- AI-enabled

Seagate® SkyHawk™ surveillance-optimised drives, are superior across the board to desktop drives — from supporting simultaneous video streams to enhanced vibration resilience and always-on reliability. SkyHawk AI takes surveillance innovation even further by providing high performance and reliability for heavy compute-intensive AI-surveillance workloads.

SKYHAWK AI SURVEILLANCE

SkyHawk Product Information & Comparison Overview

SKYHAWK SURVEILLANCE

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Seagate SkyHawk battlecards written for EMEA Sales team

Research, format and copy written for a series of battlecards to support sales team with key information.