




# Surveillance Portfolio

	<b>DVR</b> 	<b>DVR/Hybrid/Network Video Recorder (NVR)</b> 	<b>Video Management System (VMS)/Video Content Analysis (VCA)</b> 	<b>Long-Term Video Retention and Bulk Storage</b> 
<b>Usage Environment</b>	Residential, SMB, F&B/Retail, Commercial Facilities	Casinos, Commercial Buildings, Campuses, Hotels, Factories	Command & Control Centres, Casinos, City Surveillance, Border Control, Airports	Banks, City Surveillance, Homeland Security, Airports
<b>What They Care About</b>	Reliability, Cost	Reliability, Data Loss Protection, Scalability	Reliability, Data Loss/Integrity, Data Security, Scalability	Reliability, Power, Cost
<b>Usage Requirements</b>	24x7, Low Power, Sustain Heat & High Temperature, Optimised for Video Streaming	24x7, High Write Optimised, Data Integrity, Support Multiple HD/MP Streams	24x7, Mixed Workloads Optimised, Data Disposal, Power Saving, Optimised for > 5HDDs	24x7, Write Many/Read Less, Low Power on Multiple HDDs, Data Disposal, Optimised for > 5HDDs
<b>Best-Fit Applications</b>	<ul style="list-style-type: none"> <li>DVR With ≤16 Channels</li> <li>DVR With 4CIF, 2CIF Res</li> <li>DVR With &lt;4 HD Streams</li> </ul>	<ul style="list-style-type: none"> <li>Up to 20 HD Video Recordings</li> <li>Uses RAID as Redundancy</li> <li>DVR ≥16 Channels</li> </ul>	<ul style="list-style-type: none"> <li>Virtualised Server Appliance</li> <li>IP Storage (NAS, SAN)</li> <li>Backup Appliance (JBOD, DAS)</li> </ul>	<ul style="list-style-type: none"> <li>JBOD</li> <li>NAS</li> <li>DAS</li> </ul>
<b>Seagate Recommendations</b>	<b>Surveillance HDD<sup>1</sup></b>	<b>Surveillance HDD</b> <b>Enterprise Capacity HDD</b>	<b>Surveillance HDD</b> <b>Enterprise Capacity HDD</b>	<b>Surveillance HDD</b> <b>Enterprise Capacity HDD</b>
<b>Drive Count</b>	8+ HDDs <sup>1</sup>	8+ HDDs      >5 HDDs	8+ HDDs      >5 HDDs	8+ HDDs      >5 HDDs
<b>Low Power</b>	•	•      •	•      •	•      •
<b>RAID</b>		•      •	•      •	•      •
<b>Concurrent HDDs Recording</b>	8+ HDDs <sup>1</sup>	8+ HDDs      >5 HDDs	8+ HDDs      >5 HDDs	8+ HDDs      >5 HDDs
<b>+Rescue Data Recovery Option</b>	•	•      •	•      •	•      •
<b>ISE (Instant Secure Erase) With Self-Encrypting Drive (SED) Option</b>		•      •	•      •	•      •
<b>FIPS Validation With SED Technology</b>		•      •	•      •	•      •
<b>Data Integrity</b>	•	•      •	•      •	•      •
<b>Mixed Workloads</b>		•      •	•      •	•      •

<sup>1</sup> Surveillance HDDs with RV sensors (4-6TB) support systems with 8+ drive bays. Models without RV not recommended for systems with over 8 HDDs.



# Surveillance-Optimised Drives



	Surveillance HDD (without RV)	Surveillance HDD (with RV)	Enterprise Capacity 3.5 HDD
<b>Usage Environment</b>	Securing your home and business Public safety and events	Video analytics and optimisation Public safety and events	Video analytics and optimisation
<b>Application</b>	Low cost, low resolution, simple to install and use for SMB, retail and commercial use, or home applications	Central monitoring applications typically using IP cameras for medium-sized businesses like banks, casinos or airports	Bulk storage, data centre, government or corporate applications where HD video and video analytics are valued
<b>Audience</b>	System Integrators, SMB, End Users		System Integrators, IT Managers
<b>Capacity<sup>1</sup></b>	1, 2, 3TB	4, 5, 6, 8TB	1, 2, 3, 4, 5, 6, 8TB
<b>Advantages</b>	Low-power, quiet, reliable storage for consumer or SMB surveillance with multiple cameras	Reliable performance in multi-camera systems, vibration tolerance with R/V sensors to support RAID environments, quick time-to-ready	Fast random performance for data analytics and in multi-drive applications
<b>Time to Ready</b>	Better: Idle 1, 2, 3 support		Best: PowerChoice™ for customised time-to-ready and power savings
<b>Camera</b>	Up to 64		100+
<b>System</b>	1 to 8 drives	8+ drives	>5 drives RV @ 1,500Hz = 12.5rd/s <sup>2</sup> Top Cover Attached Motor
<b>Security</b>	—		ISE feature in SED or FIPS configurations
<b>Workload</b>	1M MTBF SATA		2M MTBF SAS/SATA
<b>Data Recovery</b>	+Rescue Option available		—
<b>Workload Rating</b>	180TB/year		550TB/year
<b>Warranty, Limited</b>	3-year		5-year

<sup>1</sup> One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

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