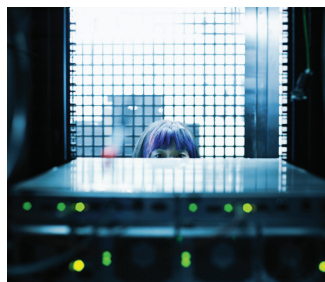




## Accessibility to the core

A secure environment for both people and data is a condition of success for many businesses. The evolution of video management capabilities emphasizes the significance of surveillance data. With Auryn, Promise introduces an all-in-one solution which includes the openness, centralization and simplicity a surveillance storage block needs. Auryn is the core for any business where security is a concern.

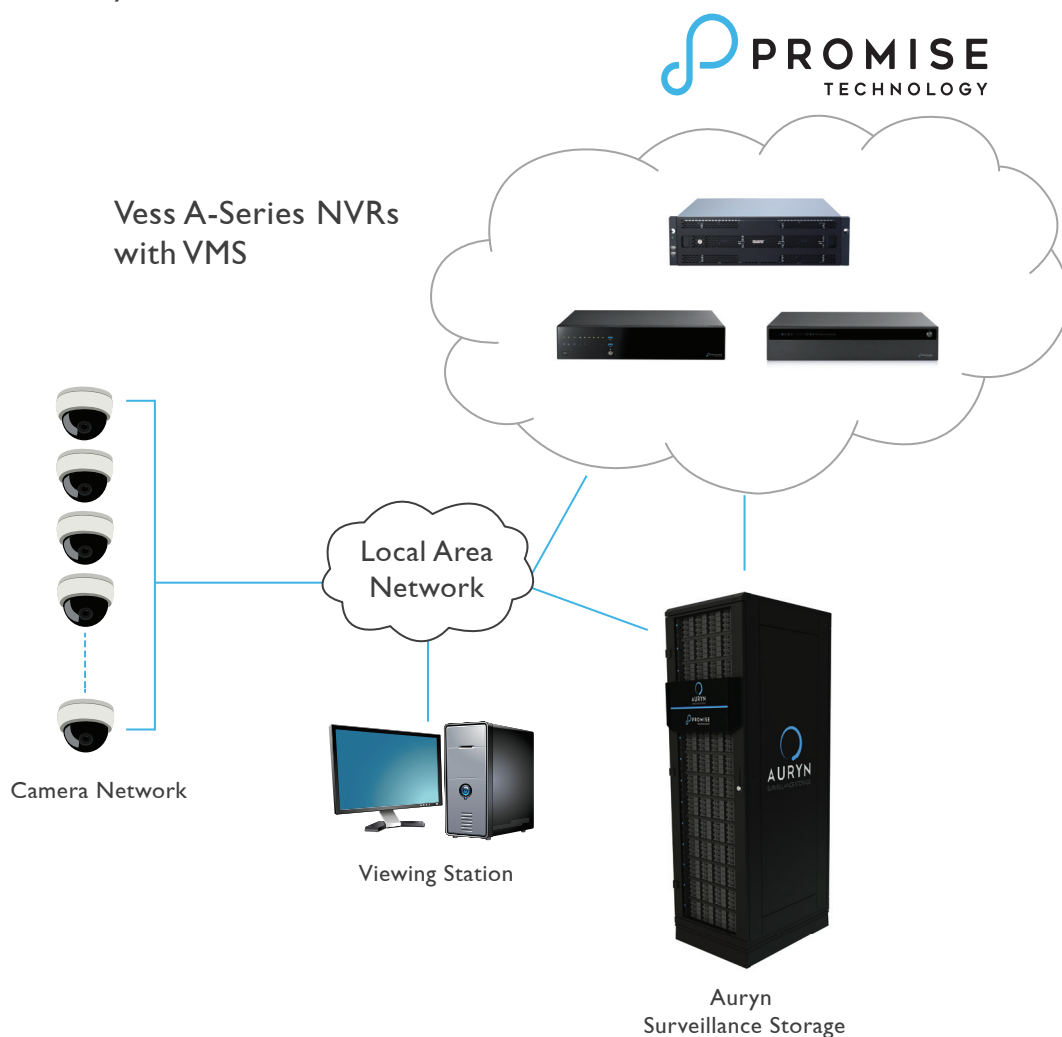




Auryn, Promise's high-capacity surveillance storage block offers an open-platform, simplicity, optimization and the industry's most comprehensive partner ecosystem.

### Centralized Storage

Promise's high-capacity Auryn Surveillance Storage block is ideal for deployments requiring a large centralized storage solution for surveillance data. Storage is the underpinning of any surveillance deployment as it the key piece that ultimately makes surveillance work.



### Open Platform

Promise is the developer of the open storage platform for video surveillance. This provides great flexibility as Auryn can be used together with a wide range of VMS and cameras from different vendors. Plus, Auryn is also analytics ready!

# The key to effective video surveillance



## **Simplicity for Complex Projects**

Auryn brings simplicity and reliability to complex deployments with long retention periods requiring massive amounts of storage. Auryn offers simple plug and play deployment and provides up to 112 drives and 672TB of capacity. Auryn creates a centralized storage pool that can be easily managed for your deployment of a few to thousands of cameras.

## **Partner Ecosystem**

Auryn is tested and validated with the widest range of VMS and IP cameras in the industry to ensure compatibility. Promise relies on our extensive surveillance lab and close cooperation with partners to help minimize risk and offer more integration possibilities.

## **Outstanding Support**

Promise prides itself on providing outstanding global coverage and local support. That's why every purchase of Auryn includes FAE support for installation.

## **Purpose-Built for Surveillance**

Auryn is a dedicated solution for the 24/7 video surveillance environment. It's not pieced together hardware designed for IT applications. Auryn comes equipped with a range of features designed specifically to deliver the best performance in video surveillance environments:

- **OPAS** - simplified and fast hardware diagnostic mechanism to keep your surveillance system up and running
- **PerfectRebuild** - the fastest recovery from hard drive failures for continuous surveillance video recording and playback
- **Online LUN clone** - preventive disaster recovery mechanism for video surveillance. Easily keep two copies of surveillance video, so if one is damaged the video is still safe somewhere else
- **PerfectFlash** - No interruption during surveillance video recording or playback during maintenance, such as firmware updates
- **Advanced Battery Flash Backup** - Advanced surveillance video protection for power outages. In write-back cache mode, power from the battery backup unit (BBU) is used to write the video surveillance data of the RAID controller write cache to non-volatile flash memory in order to extend the period of cache protection beyond the standard 72 hours.

Product Specifications			
Form Factor	27U/112 Bay		
Drive Support	<ul style="list-style-type: none"><li>• 3.5" Enterprise 6TB or 8TB Drives</li><li>• Hard Disk Drives (HDDs) and Solid State Drives (SSDs)</li><li>• SAS/SATA (3Gb/s or 6Gb/s), NCQ, TCQ</li><li>• Supports any mix of SAS and SATA drives simultaneously in the same enclosure</li></ul>		
Supported OS	Windows 7, Windows 10, Windows 2003, 2008/2008R2, 2012/2012R23 RedHat Linux, SuSE Linux, Ubuntu, CentOS, VMWare ESXi 5.x, Citrix XenServer, Apple OS X4		
I/O Ports per controller	Fibre Channel 8Gbps, iSCSI 1Gbps & 10Gbps host connect ports		
Management Ports	RJ45 1Gb Ethernet and RS232 for Management ports		
No. of RAID Controllers	2		
No. of SAS Controllers	12		
Physical Memory Per Controller	16 GB / 1 BBU per controller		
CPU	64 bit 6-core @1.1GHz		
Max. Drives per Storage Block	112		
Max. Capacity per Storage Block	672TB		
Max. Data Cache	32 GB		
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50, 60		
RAID Stripe Size Support	64K, 128K, 256K, 512K and 1MB		
Hot Spares	Global or dedicated with revertible option		
NAS features		iSCSI features	
Supported protocols	SMB/CIFS (Windows, MAC), NFS (Linux/Unix), AFP (MAC) ,FTP, WebDAV	Supported Protocols	iSCSI, FC, FCoE
Data services	Backup Server, Share Disk Clone, Remote Replication, Online Recovery, File Backup/Restore	Max. Initiators per Storage System	128 concurrent sessions / 4 Multiple Connections per Session (MC/S)
Max. no. of Share Disks / Disk size	256 / 200TB	Max LUNs per Storage Block	1024
Max. no. of Concurrent Sessions	1024	Max Luns per array	32
Max. no of Account / Max. Domain	5k / 100k		
Supported Domain	Microsoft Active Directory, LDAP, Apple Open Directory		
Data Management	Permission Management, Quota Management, Online Expansion		
Advanced features			
Advanced Storage Features	<ul style="list-style-type: none"><li>• Advanced Cache Mirroring</li><li>• Simple, drag-and-drop LUN Masking and Mapping</li><li>• Volume Copy</li><li>• I/O performance &amp; power monitoring tools</li></ul>	<ul style="list-style-type: none"><li>• USB Service Log</li><li>• Asymmetric LUN Unit Access (ALUA)</li><li>• PerfectFlash™ -Non-Disruptive Image Update</li><li>• Advanced Battery Flash backup</li></ul>	
Background Activities	<ul style="list-style-type: none"><li>• Media Patrol</li><li>• Background Synchronization</li><li>• Foreground Initialization</li><li>• Rebuild</li><li>• Redundancy Check</li></ul>	<ul style="list-style-type: none"><li>• Disk SMART Polling</li><li>• Online Capacity Expansion (OCE)</li><li>• RAID Level Migration (RLM)</li><li>• UPS Monitoring</li></ul>	
PerfectRAID Features	<ul style="list-style-type: none"><li>• Predictive Data Migration (PDM)</li><li>• Intelligent Bad Sector Remapping</li><li>• SMART Error Handling</li><li>• NVRAM Error Logging</li><li>• Disk Slot Power Control</li></ul>	<ul style="list-style-type: none"><li>• Read/Write Check Table</li><li>• Write Hole Table</li><li>• Online Volume Copy</li><li>• Zero Penalty Cache Mirroring</li><li>• PerfectRebuild™ - Reduced Rebuild Time</li></ul>	
GreenRAID Features	<ul style="list-style-type: none"><li>• Full Levels of Intelligent Power Management MAID 2.0</li><li>• Energy Savings on Power Schedulingw</li></ul>	<ul style="list-style-type: none"><li>• Hot Swappable (N+2) PSU Design</li></ul>	
System Info & Warranty			
Voltage	100--240 Vac Auto--Ranging		
Current (Maximum)	28A @ 100 Vac; 14A @ 240 Vac		
Power Supply	Efficient 80PLUS GOLD Certified redundant PSUs		
Power Conversion Efficiency	>80% @ 110V (>20% load), >80% @ 240V (>20% load) Temperature Range		
Dimensions (H x W x D)	1410 x 600 x 855mm (55.5" x 23.6" x 33.7")		
Weight	335.5 Kg (739.6 lbs)		
Temperature Range	Operational: 5° to 40°C, Non-Operational: -40° to 60°C		
Humidity	Operational: 10% to 90% (Non-Condensing), Non--Operational: 5% to 95% (Non-Condensing)		
Safety and Emission Certification	EMC Class A: CE, FCC, VCCI, BSMI, RCM and KC   Safety: IEEE CB, UL/cUL and TUV		
Warranty	3-year full system limited warranty, optional extended warranty, onsite parts replacement program		
Support	24/7 e-mail and phone support, 24/7 access to PROMISE site-drives, firmware, and compatibility list		

