Ultra-high availability NVR for mid-sized projects

Available in two configurations, the R2032 Network Video Recorder (NVR) is ideal for customers looking for a validated, turnkey solution with an open platform VMS that supports a wide range of IP cameras and encoders.

The R2032 offers a powerful hardware package configured with enterprise class hardware features and high storage capacity. Preloaded with Senstar Symphony™ video management software (VMS), the R2032 is equipped with hot-plug redundant power supplies and 32TB usable recording capacity in a RAID-6 configuration.

A single CPU configuration is optimized for projects requiring basic recording capabilities for up to 64 cameras while the dual CPU configuration provides additional processing power needed for server-based analytics.
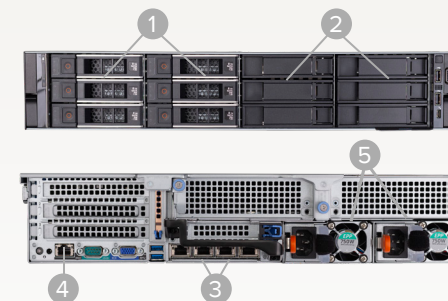
All R-Series NVRs include three years of hardware support, including next business day on-site hardware replacement service.

EASY INSTALLATION AND EXTENSIVE SUPPORT

The appliance comes preconfigured with all of the necessary software and licensing to minimize installation time. Based on validated hardware components and bundled with three years of comprehensive hardware and software support, the R2032 can be deployed and maintained worry-free.

Features and Benefits

- Preloaded with Symphony Standard edition video management software
- Preloaded with versatile Symphony Core Analytics Pack software (R2032-48A)
- Dual SSD (RAID-1) for Operating System and Symphony application
- 6x 8TB hot-swappable hard drives in RAID-6 configuration (32TB usable)
- Hot-swappable redundant power supplies
- Support for server-based and embedded video analytics
- Support for a wide range of IP cameras, encoders and IP intercoms
- Windows®, web, iOS and Android™ operator clients
- Bundled with three years of comprehensive technical services

1. 6x 8TB SATA Hot-Plug HDD (RAID-6, 32TB Usable)
2. 6x Available Drive Bays
3. 4x 1GbE
4. Management Module
5. 2x Redundant Hot-Plug Power Supplies

OPEN, FULLY FEATURED VMS

Senstar Symphony is an innovative, open video platform for video management, video analytics, system integration and alarm management. Symphony offers a feature-rich, easy-to-use interface and incorporates IT-friendly features to make administration and remote health monitoring simple and scalable.

ANALYTICS READY

The R2032-48A dual CPU configuration delivers high performance computing required by server-based analytics applications. Preloaded with four Symphony Core Analytics Pack licenses, the system is optimized for a myriad of indoor and outdoor video detection applications out-of-the box. Additional analytics licenses can be added as needed.

BROAD ECOSYSTEM SUPPORT

The R2032 capabilities can be extended through additional products and services. Embedded analytics software is fully supported in addition to the pre-loaded server-based analytics, enabling a broad range of deployment scenarios. The Senstar Thin Client™ also offers a secure and convenient video viewing option in space constrained environments. Finally, Senstar Enterprise Manager™ (SEM) provides centralized cloud based monitoring and administration needed in multi-site deployments.

INCREASED AVAILABILITY

Redundant, hot-swap components improve NVR uptime. Continuous monitoring of key system elements, performance metrics, and health indicators provides advance notice of potential issues. System events are visible directly in the Symphony Client and optionally available through SEM. When required, Senstar will perform remote diagnostics and dispatch a technician to site.

Technical Services (Three Years Included)
Access to certified hardware and software experts
Remote system monitoring and diagnostics
Operating system support
Symphony software support
Symphony software upgrades
Cloud-based Symphony configuration backups
Next business day on-site parts and labor response after remote diagnostics

Symphony Standard Edition (48 Licenses Included)
Unlimited client connections
Web and mobile clients
2-way audio
Unicast, multicast, & multistream
MJPEG / MPEG-4 / H.264 / H.265
Device pack updates
Record locally or to network storage
Record on schedule, alarm, & continuous
Automatic software updates
Multi-language
Customizable user access level

Symphony Core Analytics Pack Contents (2 Licenses Included)	
Analytics Engine	**Name**
VE141	Camera Tampering
VE140	Signal Loss
VE180	Indoor People Tracking
VE180	Outdoor People and Vehicle Tracking
PT091	Auto-Pan Tilt Zoom (PTZ)
VE352	Left Item Detection
VE190	Crowd Detection

R2032 Specifications

Model	R2032-48	R2032-48A
Form factor	2U rack server	
CPU	Intel® Xeon® Silver 4110 2.1GHz	2x Intel® Xeon® Silver 4110 2.1GHz
RAM	16 GB	32 GB
Boot drive	Mirrored SSDs with Windows® 10 IoT Enterprise	
Video storage	6x 8TB (32TB usable)	
VMS preloaded	Symphony™ Standard edition	
Base VMS licenses	48	
Base analytics licenses	n/a	4* core analytics packs
ONVIF	ONVIF Profile S	
Storage subsystem	RAID-6	
Disk type	Hot-plug SATA	
Ethernet	4x 1GbE	
Network protocols	SNMP, SMTP	
Power supply	Redundant hot-plug 750W	
Extended storage	8TB SATA Hot-plug HDD (AIM-R8TB) for up to 80TB onboard usable (RAID-6)	
USB	4	
Operating temperature	10°C To 35°C (50°F To 95°F)	
Dimensions	434.0 x 715.5 x 86.8 mm / 17.08 x 28.16 x 3.40 in	
Weight	Maximum weight (with all hard drives/SSDs) 33.1kg (72.91 lbs)	
Input voltage	50/60 Hz 100–240 V AC, autoranging	
Compliance	CE, FCC, ROHS	
Mounting kit	ReadyRail kit provided	
Warranty	Hardware: 3 years next business day on-site	
Part number	AIM-R2032-48b	AIM-R2032-48Ab

Ordering Information

Add-on Software Licenses	Part Number
Symphony Standard edition	AIM-SYM7-S
Symphony Core Analytics Pack	AIM-SYM7-VA-10
Senstar Enterprise Manager	SEM is available as a SaaS subscription on a 1-5 year term
Symphony Edition Upgrades	
Professional (all preloaded licences)	AIM-R2032-48-SYM7-SP
Enterprise (all preloaded licences)	AIM-R2032-48-SYM7-SE
Warranty Extensions	
Symphony Standard, 2 year HW/SW	AIM-R2032-48-SYM7-S-WE
Symphony Professional, 2 year HW/SW	AIM-R2032-48-SYM7-P-WE
Symphony Enterprise, 2 year HW/SW	AIM-R2032-48-SYM7-E-WE
Video Analytics Licenses	
Automatic License Plate Recognition (up to 4 cameras)	AIM-SYM7-VA-12
Face Recognition	AIM-SYM7-VA-14
Optional Accessories	
Thin Client	AIM-A10D
Operator Station	AIM-R001, AIM-R002
8TB Hot-Plug Hard Drive	AIM-R8TB
Dual Port 10GbE NIC	AIM-R10GE

* Additional licenses sold separately