

# Aimetis R1016 Network Video Recorder

## Datasheet

### High Availability NVR for mid-sized projects

The Aimetis R1016 Network Video Recorder offers a powerful hardware package configured with enterprise class features and high storage capacity. Preloaded with Aimetis Symphony™ 7 video management software (VMS), the R1016 is equipped with hot-plug redundant power supplies and 16TB usable recording capacity in a RAID-5 array.

Available in two configurations, the R1016 is ideal for customers looking for a validated, turnkey solution with a preloaded open platform VMS that supports a wide range of IP cameras and encoders. A single CPU version is optimized for projects requiring basic recording capabilities for up to 48 cameras while the dual CPU model provides additional processing power needed for server-based analytics.

All Aimetis R-Series recorders include three years of hardware support, including next business day on-site hardware replacement service.

### Key Benefits

#### ✓ Ease of Installation and Extensive Support

The Aimetis R1016 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 R1016 can be deployed and maintained worry free.

#### ✓ 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 Aimetis Enterprise Manager™. When required, Aimetis will perform remote diagnostics and dispatch a technician to the site.

#### ✓ Broad Ecosystem Support

The Aimetis R1016's capabilities can be extended through additional Aimetis products and services. Aimetis embedded analytics software is fully supported in addition to the preloaded server-based analytics, enabling a broad range of deployment scenarios. The Aimetis Thin Client™ offers a secure and convenient video viewing option in space constrained environments. Finally, Aimetis Enterprise Manager provides centralized cloud based monitoring and administration needed in multi-site deployments.

#### ✓ Analytics Ready

With its dual CPU configuration, the R1016-32A delivers high performance computing required by server-based analytics applications. Preloaded with four 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.

#### ✓ Open, Fully Featured Video Management Software

Aimetis Symphony 7 is an innovative, open platform for video management, video analytics, system integration, and alarm management. Symphony 7 offers a feature-rich, easy-to-use interface and incorporates IT-friendly features to make administration and remote health monitoring simple and scalable.

### Key Features

**Preloaded with Aimetis Symphony 7 Standard edition video management software**

**Preloaded with versatile Symphony Core Analytics Pack software (R1016-32A)**

**Operating System and Symphony application on dedicated solid state drive**

**3x 8TB hot-swappable hard drives in RAID-5 configuration (16TB 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**

**Viewing options include Windows client, web and iOS/Android devices**

**Bundled with three-years of comprehensive technical services**



# R1016 Network Video Recorder

R1016 Specifications		
Model	R1016-32	R1016-32A
Form Factor	1U Rack Server	
CPU	Intel® Xeon® E5-2603 V4 1.7GHz	2x Intel® Xeon® E5-2620 V4 2.1GHz
RAM	8GB	16GB
Boot Drive	SSD with Windows 10 IoT Enterprise	
Video Storage	3x 8TB (16TB Usable)	
VMS Preloaded	Aimetis Symphony™ Standard Edition	
Base VMS Licenses	32*	
Base Analytics Licenses	n/a	4* Core Analytics Packs
ONVIF	ONVIF Profile S	
Storage Subsystem	RAID-5	
Disk Type	Hot-Plug SATA	
Ethernet	4x 1GbE	
Network Protocols	SNMP, SMTP	
Power Supply	Redundant Hot-Plug 550W	
Extended Storage	SAN/NAS**	
USB	4	
Operating Temperature	10°C To 35°C (50°F To 95°F)	
Dimensions	434.0 x 677.3 x 42.8 mm / 17.08 x 26.66 x 1.68 in	
Weight	Maximum Weight (With All Hard Drives/SSDs) 19.9 Kg (43.87 Lbs)	
Input Voltage	50/60 Hz 100–240 V AC, Autoranging	
Compliance	CE, FCC, RoHs	
Mounting Kit	ReadyRail Kit Provided	
Warranty	Hardware: 3 Years NBD On-site	
Part Number	AIM-R1016-32	AIM-R1016-32A

## Aimetis Symphony 7 Standard Edition (32 Licenses Included)

Core Features
Unlimited client connections
Web and Mobile Clients
2-way Audio
Unicast, Multicast, & Multistream
MJPEG / MPEG-4 / H.264
Device Pack Updates
Record Locally or to Network Storage
Record on Schedule, Alarm, & Continuous
Automatic Software Updates
Multilanguage
Customizable User Access Level

\* Additional licenses sold separately  
 \*\* Customer Supplied

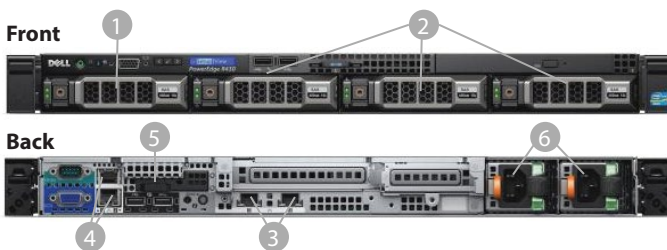
Symphony Core Analytics Pack Contents (4 Licenses Included with R1016-32A)	
Analytics Engine	Name
VE141	Camera Tampering
VE140	Signal Loss
VE180	Indoor People Tracking
VE180	Outdoor People and Vehicle Tracking
PT091	Auto-Pan Tilt Zoom (PTZ)
VE352	Left Item Detection
VE190	Crowd Detection

## Technical Services (Three Years, Included)

Access to certified hardware and software experts  
 Remote system monitoring and diagnostics  
 Operating System support  
 Aimetis Symphony software support  
 Aimetis Symphony software upgrades  
 Cloud based Symphony configuration backups  
 NBD on-site parts and labor response after remote diagnostics

## Ordering Information

Add-on Software Licenses	Part Number
Symphony Standard edition camera license	AIM-SYM7-S
Symphony Core Analytics Pack license	AIM-SYM7-VA-10
Aimetis Enterprise Manager (3 year subscription)	AIM-EM-3Y
<b>Symphony Edition Upgrades</b>	
Professional (per camera)	SYM-SV-PU-1
Enterprise (per camera)	SYM-SV-EU-1
<b>Video Analytics Licenses</b>	
Automatic License Plate Recognition (up to 4 cameras)	AIM-SYM7-VA-12
Face Recognition	AIM-SYM7-VA-14
<b>Optional Accessories</b>	
Aimetis Thin Client™	AIM-A10D
Aimetis Operator Station	AIM-R001, AIM-R002
8TB Hot-Plug Hard Drive for R-Series NVRs	AIM-R8TB
Dual Port 10GbE NIC for R-Series NVRs	AIM-R10GE



1. 2.5" SSD for OS | 2. 3x 8TB SATA Hot-Plug HDD (RAID-5, 16TB Usable) | 3. 2x 1GbE | 4. 2x 1GbE | 5. Management Module | 6. 2x Redundant Hot-Plug Power Supplies