

# NVR NAR

## HIGH PERFORMANCE ENTERPRISE NETWORK ANALYSIS AND VIDEO RECORDER

- UP TO 216TB VIDEO STORAGE AND DATA CAPACITY IN 2U FORM FACTOR**
- NAR IS THE VIDEO ANALYSIS BASED RECORDER OF ASELSAN VIDEO MANAGEMENT SYSTEM (AVIYS)**
- PLAYBACK ORIGINAL RECORDINGS WITH FRAME SIGNATURES**
- ALARM (EVENT) RECORDING, SEARCH, PLAYBACK SUPPORT**
- RAID5 / RAID6 SUPPORTED**
- 4 X 1G ETHERNET CONNECTION. NETWORK FAILOVER SUPPORTED**
- REDUNDANT HOT-SWAPPABLE POWER SUPPLIES**
- HOT-SWAPPABLE DISKS AND FANS**
- RECORDS H264/H265 VIDEOS**
- SUPPORTS ONVIF PROFILE-S CONFORMANT CAMERAS**
- 600 MBPS NETWORK THROUGHPUT**
- VIDEO ANALYSIS SEARCH, MAP SUPPORT**
- DISPLAY ALARM AND OBJECT GRAPHICS**
- SPECIALIZED ALGORITHM CONFIGURATIONS**



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### General Specifications

Form Factor	2U Rackmount
Rack Support	Yes
Drive Bays	12x 3.5" Hot-swap SAS3/SATA drive bay with SES3 - Optional: 2x 2.5" hot-swap rear drive bay
Power Supply(s)	800W 1U Redundant, Hot Swappable Titanium Level
Power Input & Output	800W: Input: 100 - 240Vac / 47-63 Hz
Temperature Spec.	Operating: 10°C to 35°C (50°F to 95°F) - Non-operating: -40°C to 70°C (-40°F to 158°F)
Relative Humidity Spec.	Operating: 8% to 90% (non-condensing) - Non-operating: 5% to 95% (non-condensing)
Dimensions (WxDxH)	17.2" (437mm) x 25.5" (648mm) x 3.5" (89mm)
Weight	Gross: 58 lbs (26.3 kg) Net: 34 lbs (15.4 kg)
Certifications	CE

### Compute System

Processor	AMD EPYC 3251 SoC Processor, 8 Core, 16 Thread
Memory	Up to 512GB ECC Registered,DDR4-2666MHz SDRAM in 4 DIMMs
Expansion Slots	1 PCI-E 3.0 x16

### Firmware / Software

Operating System	Ubuntu 18.04
Video Management Software (VMS)	DEFNE VMS: Basic VMS properties KOZALAK API: Full compatibility with High level video and security management softwares
Video Compression Support	H.264 / H.265
Supported Audio Formats	G.711, G.722 or G.726
Video Live View	1-60 fps video support Synchronous video monitoring with switchable working order options (1, 2x2, 3x3, 4x4, 8x2)
Analysis Functionality	Video Analysis Search, Map Support Alarm and Object Graphics Specialized Algorithm configurations
Video Playback	1-60 fps video support 0.25x-64x forward, 1x-64x backward playback Synchronous video monitoring with switchable working order options (1, 2x2, 3x3, 4x4, 8x2)
Video Export	Password protected video export .mkv, .mp4, .raw and Aselsan Export formats with watermark
Supported Languages	Turkish and English
IP Camera Support	ONVIF profile-S conformant cameras are supported
Number of supported cameras	64 or more 1080p @25FPS (unicast/multicast)
Video Recording Capacity	Using full storage capacity (oldest records are deleted after the disk capacity is full)
User Management	Supports different authorization levels
Alarm record/search	Alarm (event) recording, search, playback support.

### Storage System

Video Storage Capacities	54/108/126/162/216 TB EXOS Drives
VMS/OS storage	240GB 2.5" SSD
RAID Support (OS and Data)	SAS3 (12Gbps) via Broadcom 3916 AOC with 2GB memory; HW RAID 0, 1, 5, 6, 10, 50, 60 SATA3 (6 Gbps): RAID 0, 1, 5, 10
Recording Throughput	400Mbit/s
Playback Throughput	200Mbit/s
Total Throughput	600Mbit/s
Failover Support	Yes

### Network System and Connections

LAN	4 RJ45 GbE LAN portu - 1 RJ45 Dedicated IPMI LAN portu
USB(s)	Up to 2 USB 3.0 ports, up to 6 USB 2.0 ports
Video Outputs	1 VGA port
Serial Port / Header	1 COM port / TPM 2.0 header
Remote Management	LAN / KVM over LAN / Media over LAN

