

# NVR624-512-2 Network Video Recorder

## Overview

NVR624-512-2, with high-performance, high-reliability, high-capacity and all-in-one design, is a new-generation network video recorder (NVR) developed especially for video surveillance solutions. Integrating a range of features such as video management, data management, iSCSI storage, media switch and data protection, this device can access high-definition network cameras or encoders, and also can be managed by IMOS platform uniformly as a lower domain.



## Key Features

- 4U Chassis with 24 HDD slots
- Stand-alone application, or connecting with IMOS platform
- Video access of multiple resolution: CIF, D1, 720P, 1080P, etc.
- Video access of third-party IPC with ONVIF conformance
- Directory tree structure , user-friendly interface for management
- User management based on roles, flexibly and conveniently grouping users and setting different permissions for user groups
- Rich functionality for alarms and alarm-triggered actions
- Direct-to-iSCSI data block storage, achieving second-level retrieval and instant playback
- JBOD and RAID0,1,10,5,6,50;dedicated hot-spare disk and global hot-spare disk
- HDD hot-swappable through the front panel, easy maintenance
- Redundancy design of critical components including the power supply, fan and battery , support for hot standby and hot swap
- Multiple Gigabyte Ethernet interfaces, available for link aggregation, load balancing and multi-IP setting, etc.
- Innovative design of dual-BIOS for high reliability
- Data safe box and HDD roaming, making system recovery safe and convenient
- Disk powered on sequentially, protection from impulse current
- Intelligent temperature control by multistage of fan speed
- Intelligent RAID Engine, effectively improving the utilization rate of system resources

- Patented technologies including disk error correction, disk self-repair, bad block auto-replacing, data permanent protection, seamless expansion based on LUN resources, etc.

## Specifications

		<b>NVR624-512-2</b>
Storage controller		Dual-core processor
Memory		8 GB, up to 16GB
IP Video Input		512-ch 2Mbps
User Management		Maximum number of users:256
Video Retrieval & Playback		Video retrieval indexed by channel and time Playback control: Start, Pause, Stop, Drag, Single-frame forward, Multi-speed forward(0.25/0.5/1/2/4/8/16), Multi-speed back play(-1/-2/-4/-8/-16) Playback stream via UDP,TCP
Storage		JBOD and RAID0,1, 10,5,6,50 Hot spare: dedicated hot-spare disk, global hot-spare disk Direct-to-iSCSI data block storage; Manual, scheduled, alarm-triggered recording Video resource management
HDD Management	Interface	24 SATA interfaces
	HDD of System	Up to 168 (With 6 24-HDD disk enclosures)
	Capacity	2TB,3TB,4TB
	Installation	Hot-swappable through the front panel
Interface	Network	2 10/100/1000Mbps Ethernet interface 4 10/100/1000Mbps Ethernet interface (Optional) 2 10GE SFP+ (Optional)
	Management	1 10/100Mbps Ethernet interface
	Expansion	2 24Gbps Mini SAS (Optional)
	USB	2 USB2.0
	Alarm Input	8-ch
	Alarm Output	4-ch
Others	Power Supply	2 Hot-swappable redundant power supplies:100V~127V/200V~240V AC (the second power Optional)
	Fan	2 Redundant hot-spare fans
	Battery	2 Hot-swappable redundant batteries (Optional)
	LED Indicator	1 set, status code for temperature and device status
	Power Consumption	Controller enclosure <400W (fully loaded) Disk enclosure <350W (fully loaded)
	Operating Temperature	0°C~40°C / 32°F ~ 104°F
	Humidity	20%~80% RH (non-condensing)
	Weight	Controller enclosure Without HDD: <25.5kg; Fully loaded: <43kg

		Disk enclosure Without HDD: <19.5kg; Fully loaded: <37kg
Dimension (W x D x H)		Controller enclosure: 481.6 x 589.0 x 175.0 mm (19.0" x 23.2" x 6.9") Disk enclosure: 481.6 x 589.0 x 175.0 mm (19.0" x 23.2" x 6.9") Note: for standard cabinet with 800mm depth or above

## Dimensions

