FIRST DEEP LEARNING NVR HITS 90% ALARM ACCURACY
DeepinMind HNRA10-32/S

PERFECT VIEW™
VIDEO SURVEILLANCE

Based on the **GPU** design

The **first** deep learning security NVR

Intelligentized with any IP camera

Alarm accuracy improves to **90%+**

DeepinMind
HNRA10-32/S

Imagine a radically new and powerfully intelligent video recording device. An NVR with the power to overhaul any video surveillance system. This is it.
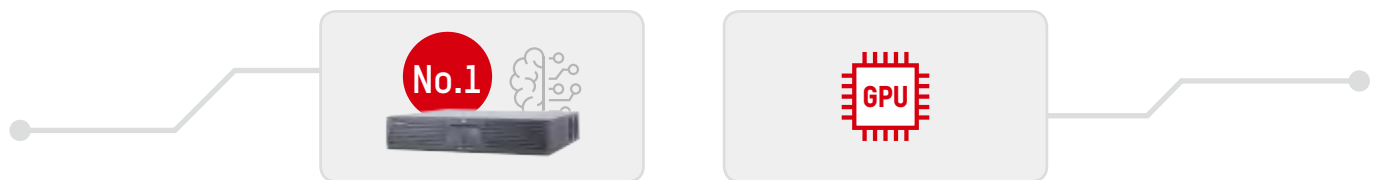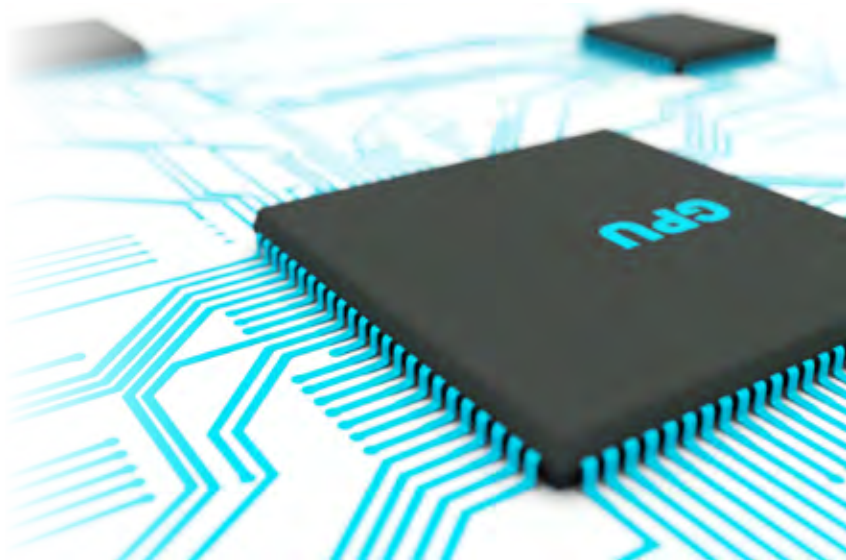
DeepinMind Series NVR Model #HNRA10-32/S is the first embedded NVR based on a deep learning algorithm executed by its GPU, making it faster and more accurate than conventional CPUs. This NVR effectively filters out alarms triggered by animals and inanimate objects, with greater than 90% accuracy.

Deep learning has come to the security industry in this amazing video recording unit.

DeepinMind NVR integrates beautifully with economical IP cameras as an intelligent filter solution. Integrating this NVR into an existing security system will radically advance its capabilities in one simple step. Continue reading to see how this might be possible.
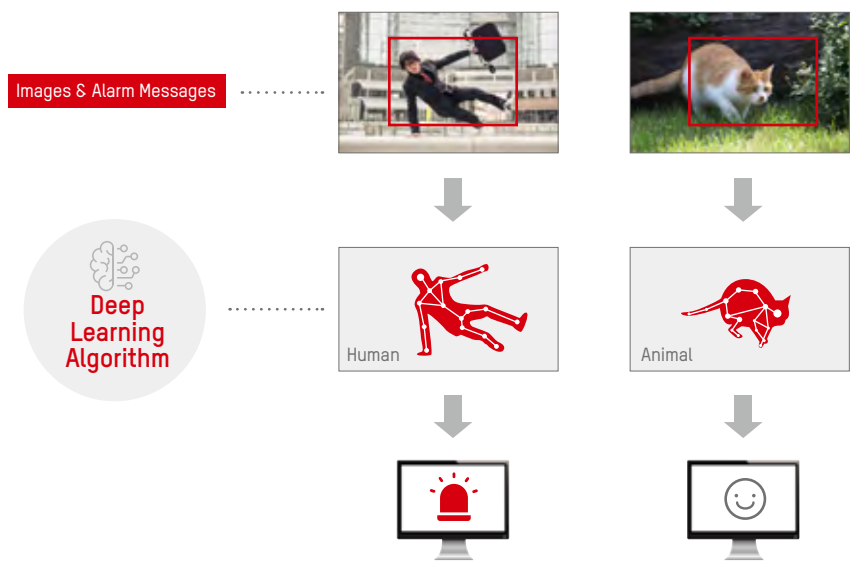
THE FIRST
DEEP LEARNING NVR

Hikvision's DeepinMind NVR is the industry's first deep learning, embedded NVR. Its remarkable power is based on the GPU design, not the CPU, setting it apart from – and ahead of – its competitors' digital video recorders. Performance is enhanced, and VCAs reaches a new level of sophistication.
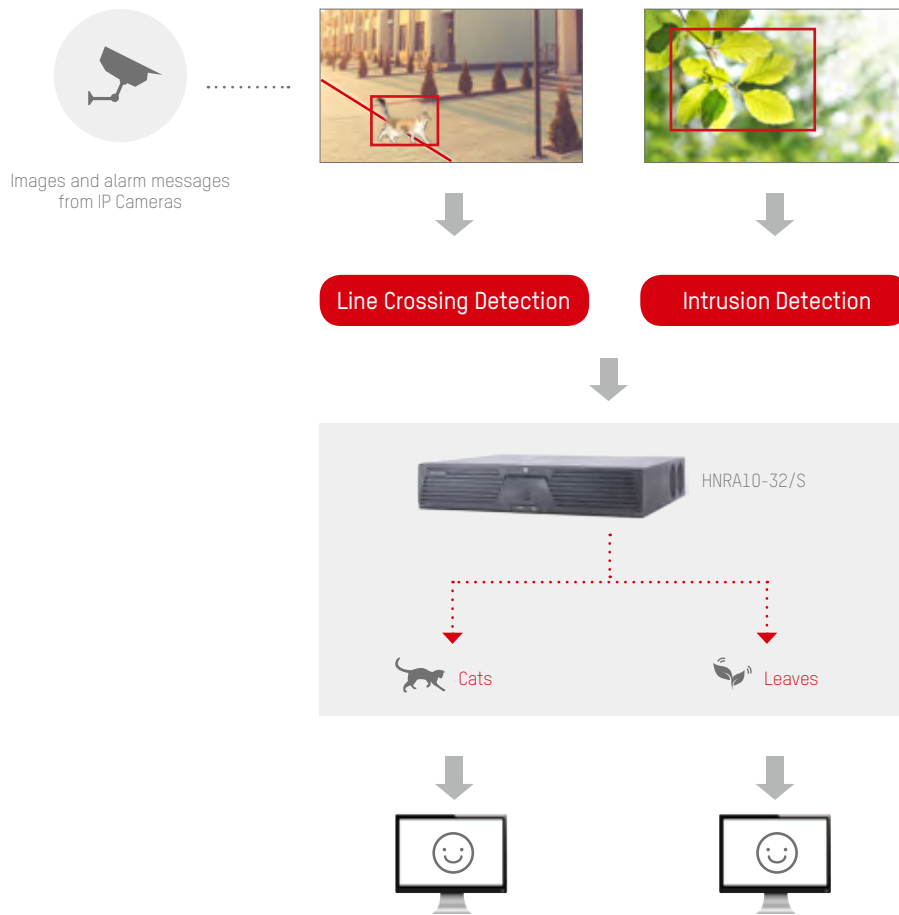
No.1

GPU

FILTER OUT FALSE ALARMS

The DeepinMind NVR is based on a deep learning algorithm. With its human body detection technology, this NVR guarantees vastly superior alarm accuracy. No more animals or random objects triggering alarms. This component identifies human bodies and filters out inconsequential triggers, alerting personnel accordingly.

Images & Alarm Messages

Deep Learning Algorithm

Human

Animal

VASTLY IMPROVE ALARM ACCURACY

Alarm accuracy reaches to over 90%. The HRNA10-32/S performs a secondary analysis on images, improving the alarm accuracy. Moreover, users can search recorded footage and find targets more quickly than other NVRs can.
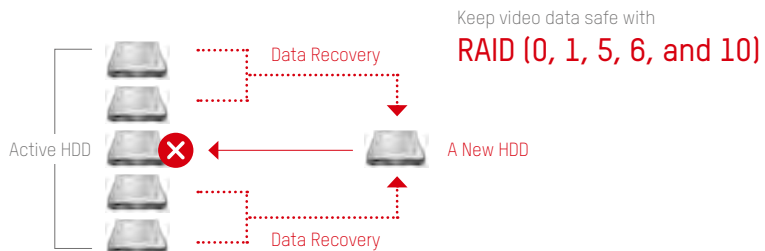
Images and alarm messages
from IP Cameras

Line Crossing Detection

Intrusion Detection

HNRA10-32/S

Cats

Leaves

After DeepinMind NVR processes images, the false alarms are filtered out!

Light

Cats

Rain

Birds

Leaves

• • •

People

Alarm accuracy at least
90%

GREAT FEATURES PERFECTLY EQUIP
THE ROBUST HNRA10-32/S NVR FOR PROJECTS OF ANY SIZE

▶ RAID

Keep video data safe with
RAID (0, 1, 5, 6, and 10)

Data Recovery

Active HDD

A New HDD

Data Recovery

In the case that one of the NVR's hard drives fails, a replacement drive can be substituted. The RAID function will supply the original data by the calculation of the data from the rest normal hard drives to the new one.
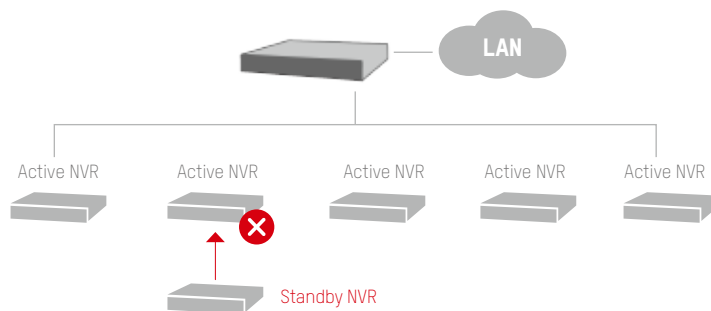
▶ HDDs

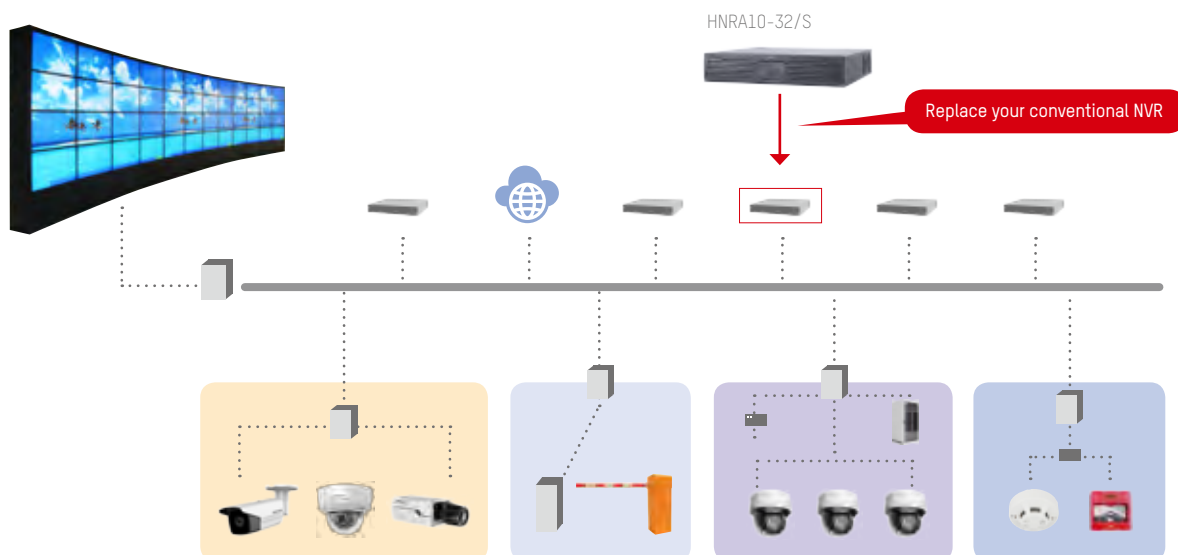Store video for extended periods with 8 HDD interfaces with up to 8 TB capacity for each HDD

8 × 8TB HDD

▶ N+1 Hot Spare

Create a more stable surveillance system using the N+1 hot spare option

LAN

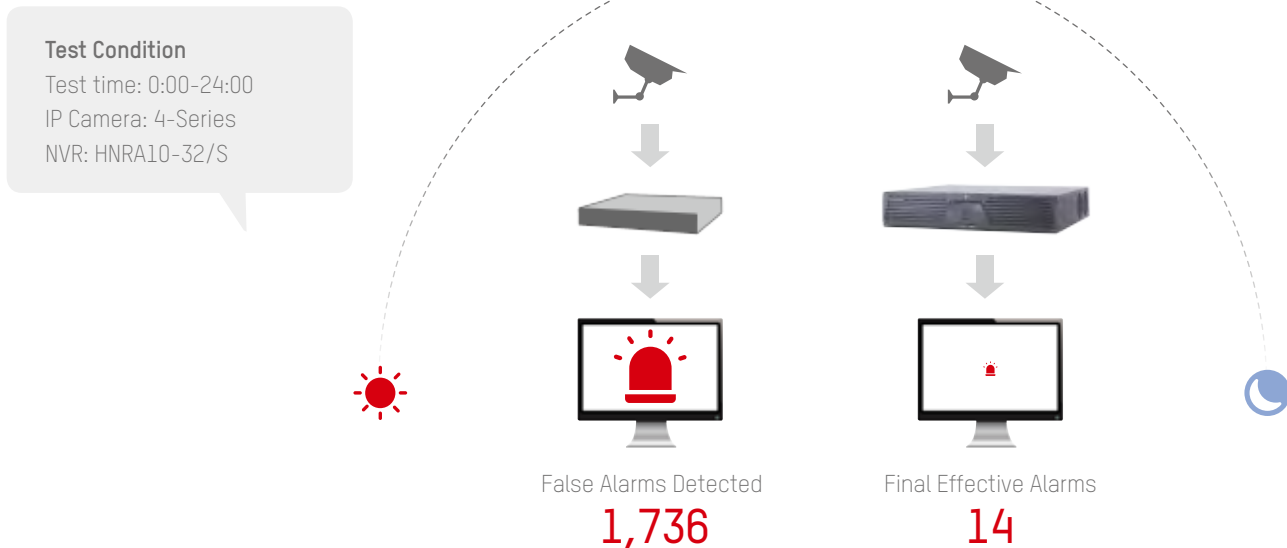Active NVR   Active NVR   Active NVR   Active NVR   Active NVR

Standby NVR

FLEXIBLE SYSTEM UPGRADE

The best way to upgrade a conventional video surveillance system is simply to replace the existing recorder with DeepinMind deep learning NVR. One step is all it takes. Add a level of intelligent learning that was previously unavailable to your video surveillance system, and enjoy a whole new level of efficient security.

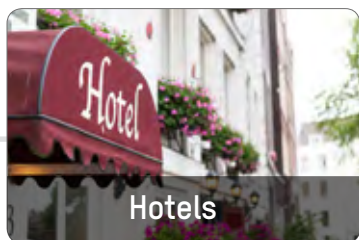HNRA10-32/S

Replace your conventional NVR

TEST RESULTS

In order to verify the genuine capabilities of the DeepinMind NVR, our engineers conducted a test in a real-world environment. The results confirm that the DeepinMind NVR truly – and significantly – decreases false alarms.

Test Condition
Test time: 0:00-24:00
IP Camera: 4-Series
NVR: HNRA10-32/S

False Alarms Detected
1,736

Final Effective Alarms
14

APPLICATION SCENARIOS

The DeepinMind NVR suits hundreds of applications scenarios requiring high accuracy on multiple, automated alarms, such as Smart buildings, industrial parks, hotels, and banks.

Smart Buildings

Industrial Parks

Hotels

Banks

SPECIFICATIONS

HNRA10-32S

- Human body detection and analysis
  16 channel detection capacity
- Enhances decoding capabilities and bandwidth usage
  Up to 8-ch. @ 1080p decoding
  Bandwidth: 320 Mbps input / 256 Mbps output
- Compatible with IP cameras up to 12 MP
- H.265+/H.265, H.264+/H.264 video standard compatible
- 2 HDMI / 2 VGA ports, HDMI1 output at up to 4K / 60Hz
- Smart 2.0 functions and APNR
- Supports 8 HDDs (8TB/Disk) and RAID (RAID 0/1/5/6/10)
- N+1 Hot spare
- HDD Hot swap

COMPATIBILITY INDICATION

TYPE	RECOMMENDED	SUPPORT	REMARKS
Cameras	2 Series	✓	Recommended models that support IR
	4 Series 👍	✓	Recommend Resolution: 2 / 3 / 4 / 5 / 6 / 8 MP
	iDS Series	✓	
Software	CMS	✓	
	Mobile App: Guarding Vision	✓	