



By: Eng. Owais Alsabri

# UNIVIEW

## Projects Solutions





# NVR

## Pro Series

With large enough capacity, stability and expansibility, Pro Series provides the highest level of performance for vertical market.

Larger number of IP camera access and longer storage time is equipped, also, excellent stability is supported by Pro Series through dual BIOS, power redundant, RAID to guarantee the stable operation of projects. When more storage space is needed, disk enclosure can be added on Pro Series NVR, making sure the additional requirement can be satisfied.

## Pro



## TECHNICAL PARAMETERS

	NVR516-64	NVR516-128
Video/Audio Input	IP Video Input	
	Input Bandwidth	384 Mbps
	Audio Input	1-ch
Video/Audio Output	HDMI	2
	VGA	1
	Audio Output	1-ch
	Outgoing Bandwidth	384 Mbps
	Decoding Capability	16×1080P@30 36×720P@30 4×4K@30
Storage	HDD	16 SATA interfaces 1 eSATA interface
External Interface	Network Interface	4 x RJ45 1000M 2 x RJ45 1000M SFP
	PoE	N/A
	Serial Interface	1 × RS232 1 × RS485
	USB Interface	4 x USB3.0
	Alarm I/O	24/8
Other	Power Supply	100~240V AC
	Dimensions(W×D×H)	482mm×477mm×131mm (19.0"×18.8"×5.1" )
	Disk Enclosure	DEU1016

**TECHNICAL PARAMETERS**

	<b>NVR824-128R</b>	<b>NVR824-256R</b>
<b>Video/Audio Input</b>	IP Video Input Input Bandwidth Audio Input	128-ch 768 Mbps 1-ch
<b>Video/Audio Output</b>	HDMI VGA Audio Output Outgoing Bandwidth	2 1 1-ch 768 Mbps
<b>Storage</b>	Decoding Capability HDD	20×1080P@30 45×720P@30 5×4K@30 24 SATA interfaces 1 eSATA interface
<b>External Interface</b>	Network Interface PoE Serial Interface USB Interface Alarm I/O	4 x RJ45 1000M N/A 1 × RS232 1 × RS485 2 x USB3.0,2 x USB2.0 24/8
<b>Other</b>	Power Supply Dimensions(W×D×H) Disk Enclosure	100~240V AC 533mm ×484.6mm × 175.5mm (21.0 "×19.1" ×6.9") DEU1016



## Pro



## TECHNICAL PARAMETERS

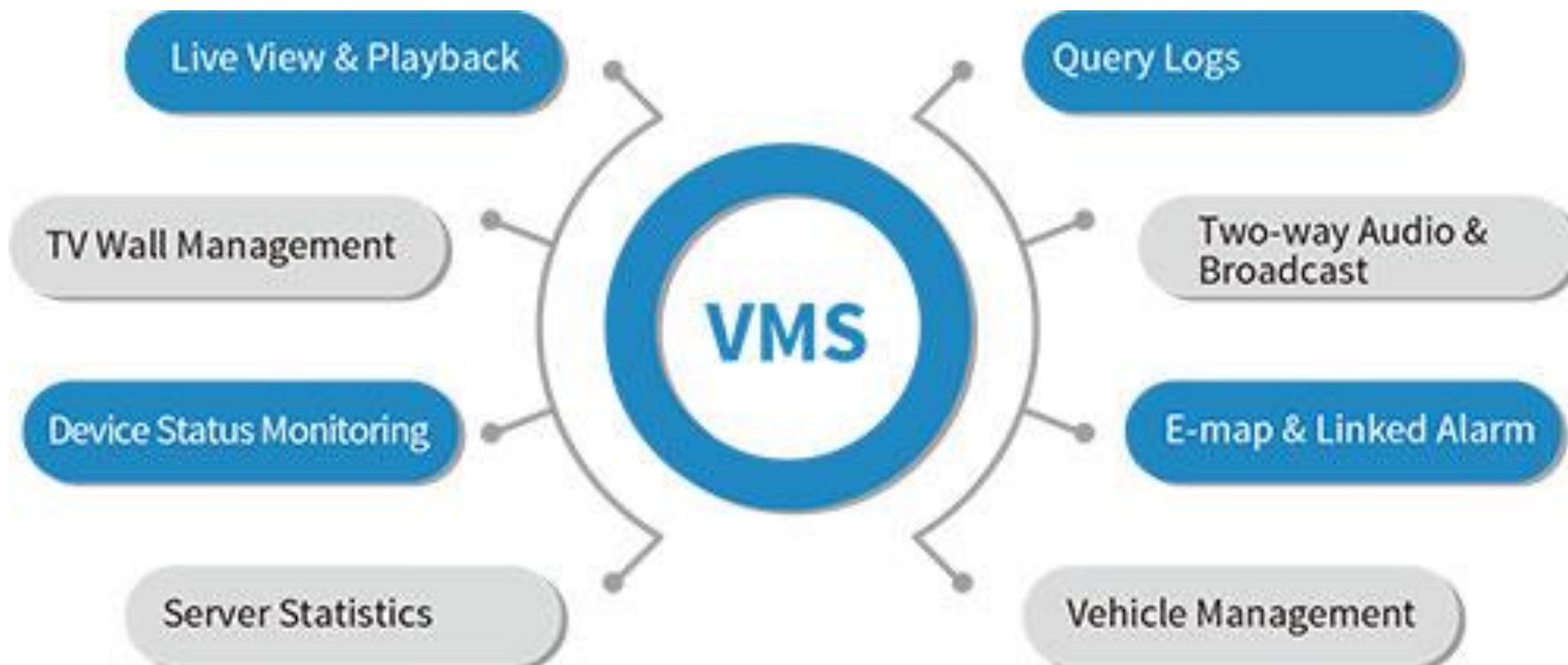
	<b>NVR824-128-R-IM-8G</b>	<b>NVR824-256-R-IM-16G</b>	
<b>Video/Audio Input</b>	IP Video Input	128-ch	256-ch
	Input Bandwidth	768 Mbps	768 Mbps
	Audio Input	1-ch	1-ch
<b>Video/Audio Output</b>	HDMI	2	2
	VGA	1	1
	Audio Output	1-ch	1-ch
	Outgoing Bandwidth	768 Mbps	768 Mbps
	Decoding Capability	20×1080P@30 45×720P@30 5×4K@30	20×1080P@30 45×720P@30 5×4K@30
<b>Storage</b>	HDD	24 SATA interfaces 1 eSATA interface	24 SATA interfaces 1 eSATA interface
<b>External Interface</b>	<b>Network Interface</b>	4 x RJ45 1000M	4 x RJ45 1000M
	PoE	N/A	N/A
	Serial Interface	1 × RS232 1 × RS485	1 × RS232 1 × RS485
	USB Interface	2 x USB3.0,2 x USB2.0	2 x USB3.0,2 x USB2.0
	Alarm I/O	24/8	24/8
<b>Other</b>	<b>Power Supply</b>	100~240V AC	100~240V AC
	Dimensions(W×D×H)	533mm ×484.6mm × 175.5mm (21.0 "×19.1" ×6.9")	533mm ×484.6mm × 175.5mm (21.0 "×19.1" ×6.9")
	Disk Enclosure	DEU1016	DEU1016



## TECHNICAL PARAMETERS

		NVR824-128-R-IX-8G	NVR824-256-R-IX-16G
Video/Audio Input	IP Video Input	128-ch	256-ch
	Input Bandwidth	768 Mbps	768 Mbps
	Audio Input	1-ch	1-ch
Video/Audio Output	HDMI	2	2
	VGA	1	1
	Audio Output	1-ch	1-ch
Decoding Capability	Outgoing Bandwidth	768 Mbps	768 Mbps
	Decoding Capability	20×1080P@30 45×720P@30 5×4K@30	20×1080P@30 45×720P@30 5×4K@30
	Storage	HDD	HDD
External Interface	Network Interface	24 SATA interfaces 1 eSATA interface	24 SATA interfaces 1 eSATA interface
	PoE	4 x RJ45 1000M	4 x RJ45 1000M
	Serial Interface	N/A	N/A
Other	USB Interface	1 × RS232 1 × RS485	1 × RS232 1 × RS485
	Alarm I/O	2 x USB3.0,2 x USB2.0	2 x USB3.0,2 x USB2.0
	Power Supply	24/8	24/8
Dimensions(W×D×H)	Dimensions(W×D×H)	100~240V AC	100~240V AC
	Disk Enclosure	533mm × 484.6mm × 175.5mm (21.0 "×19.1" ×6.9")	533mm × 484.6mm × 175.5mm (21.0 "×19.1" ×6.9")
		DEU1016	DEU1016

# Hardware / Software



# VMS Hardware

250 devices  
500 channels



VMS-B180-A

1000 devices  
2000 channels



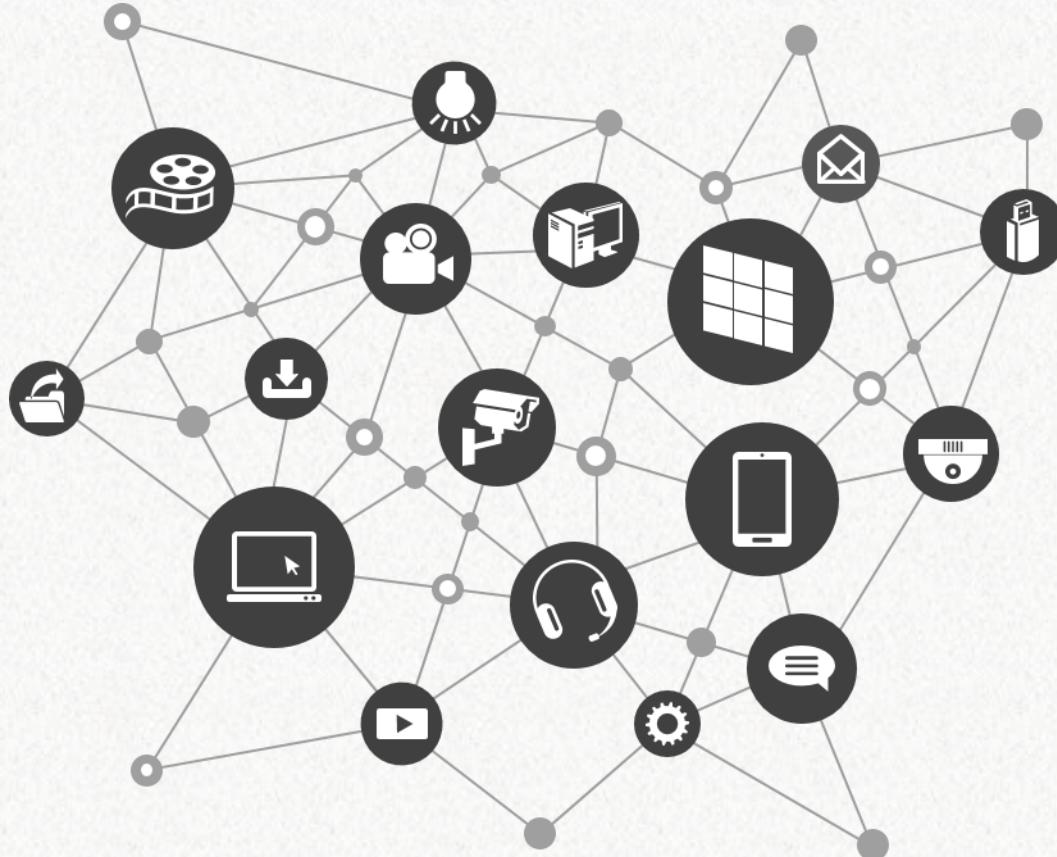
Unicorn

2000 devices  
30000 channels



VMS-B800-A

# What is Unicorn?



What kind of devices do we usually need for a general video surveillance project?

Buy VMS and license?

Prepare PC to run VMS?

Recorder for recording and playback?

Decoder for Video Wall display?

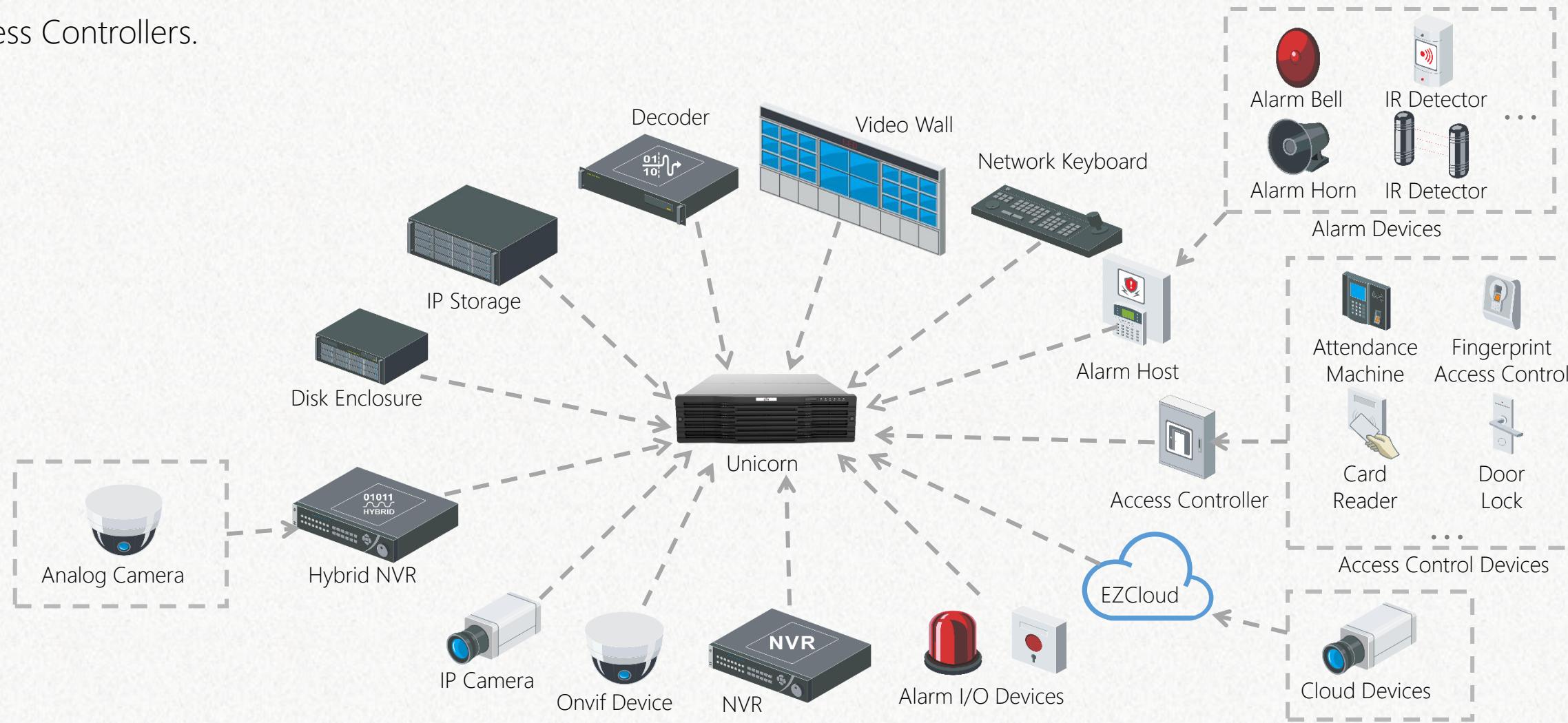
Storage Server to manage IP Storage devices?

Media Switch Server for video stream switching?



# Unified Management Platform

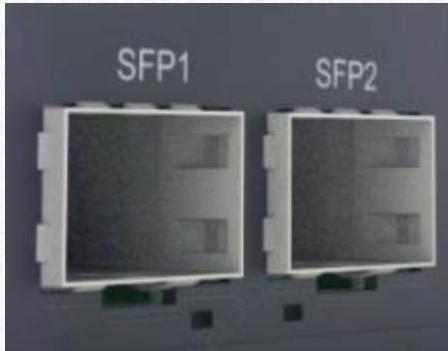
Unicorn can manage various devices such as IP Camera, NVR, Hybrid NVR, Decoder, Network Keyboard, Disk Enclosure, IP Storage, Cloud Devices, Video Wall, future more, it can also support Onvif Devices and integration of Alarm Hosts and Access Controllers.



# Hardware Overview

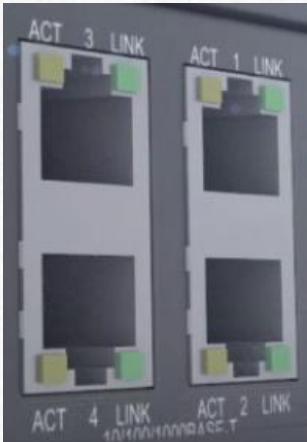
## 2 x SFP Ports

Optical Fiber



## 4 x GE Ports

Multi Address  
Load Balance  
Fault Tolerant



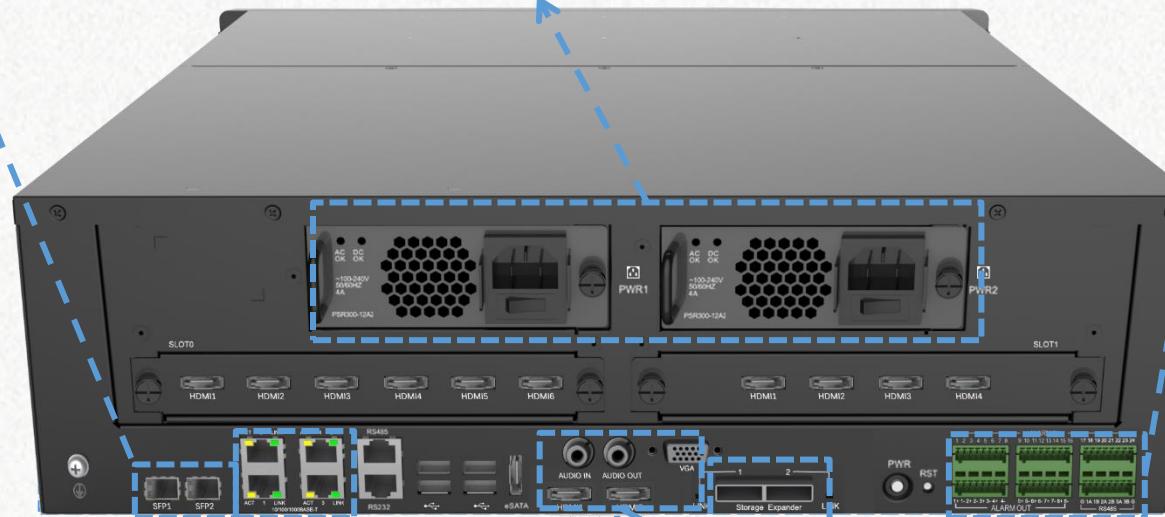
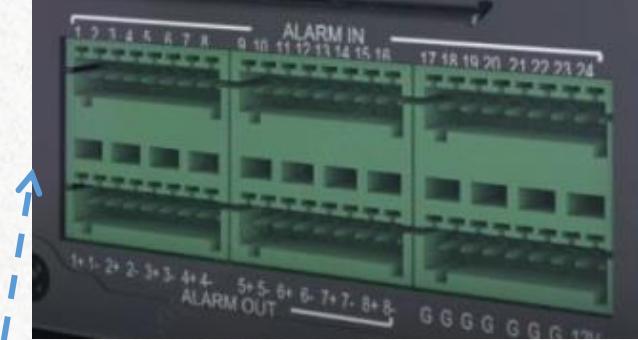
## 2 x Power Supply

Redundant Design



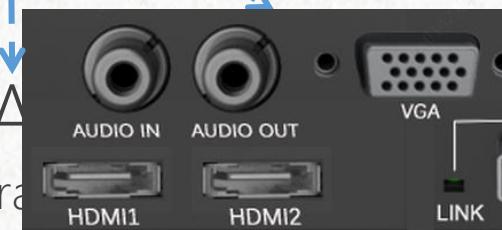
## Alarm I/O

24 In / 8 Out



## Built-in Decoder

16 SATA  
1 x VGA  
Built-in Storage



## 2 x Mini SAS

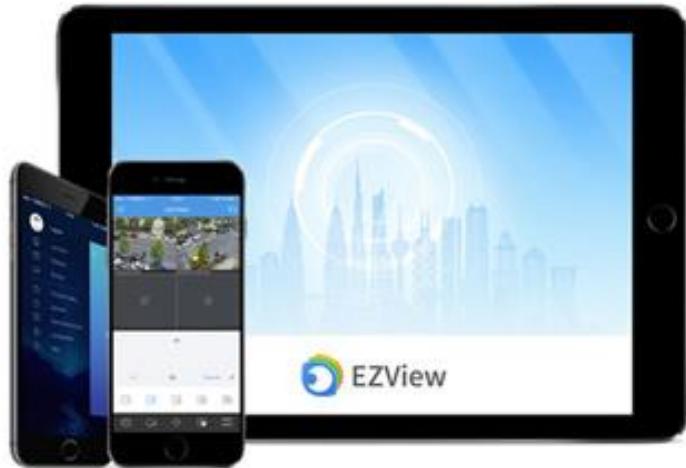
Expandable to 48 HDD



# VMS Software - Free



**EZStation**



32 devices  
256 channels



Menu

Control Panel

Live View(1)

Common



Live View

View live video and manage live view.



Playback

Search for and play back recordings.



Video Wall

Use and configure the video wall.



Alarm Records

View alarms in real time when an exception occurs.



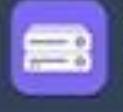
Audio

Two-way audio and broadcast.



People Counting

Count people that enter/exit during a certain period.



Device Management

Add, edit, delete and configure devices.



Access Control

Manage user access control.

Basic



Email



View



Alarm Configuration



Client Configuration



Sequence Resource



Face Recognition



User Management



Recording Schedule



Operation Log



Behavior Search

## Before Monitoring

## Face Library Management

## Monitoring Task

## Alarm Records

## Pass-Thru Records

Comparison View



More &gt;

All Camera

## Video Channel

Enter Keywords

NVR(95/95)

+ 201 NVR(2/2)

+ 5M2(28/36)

+ Green Storage NVR(4/22/22)

+ Konnke(26/26)

+ SR-0010-D-IP\_192.168.0.90(6/6)

+ 192.168.0.90\_021\_8 MP Turret

+ 192.168.0.90\_003\_5 MP ColourHunter

+ 192.168.0.90\_004\_5 MP Dome NVR

+ 192.168.0.90\_005\_2MP Active Deter

+ 192.168.0.90\_007\_5 MP Starlight Dome

+ 192.168.0.90\_008\_4 MP LightHunter



## Snapshots

## More &gt;

192.168.0.9.  
09:21:33192.168.0.9.  
09:19:25192.168.0.9.  
09:38:33192.168.0.9.  
09:17:12192.168.0.9.  
09:17:14192.168.0.9.  
09:16:24192.168.0.9.  
08:59:57192.168.0.9.  
08:59:49

unv

VMS Software - License

**UNV Guard**

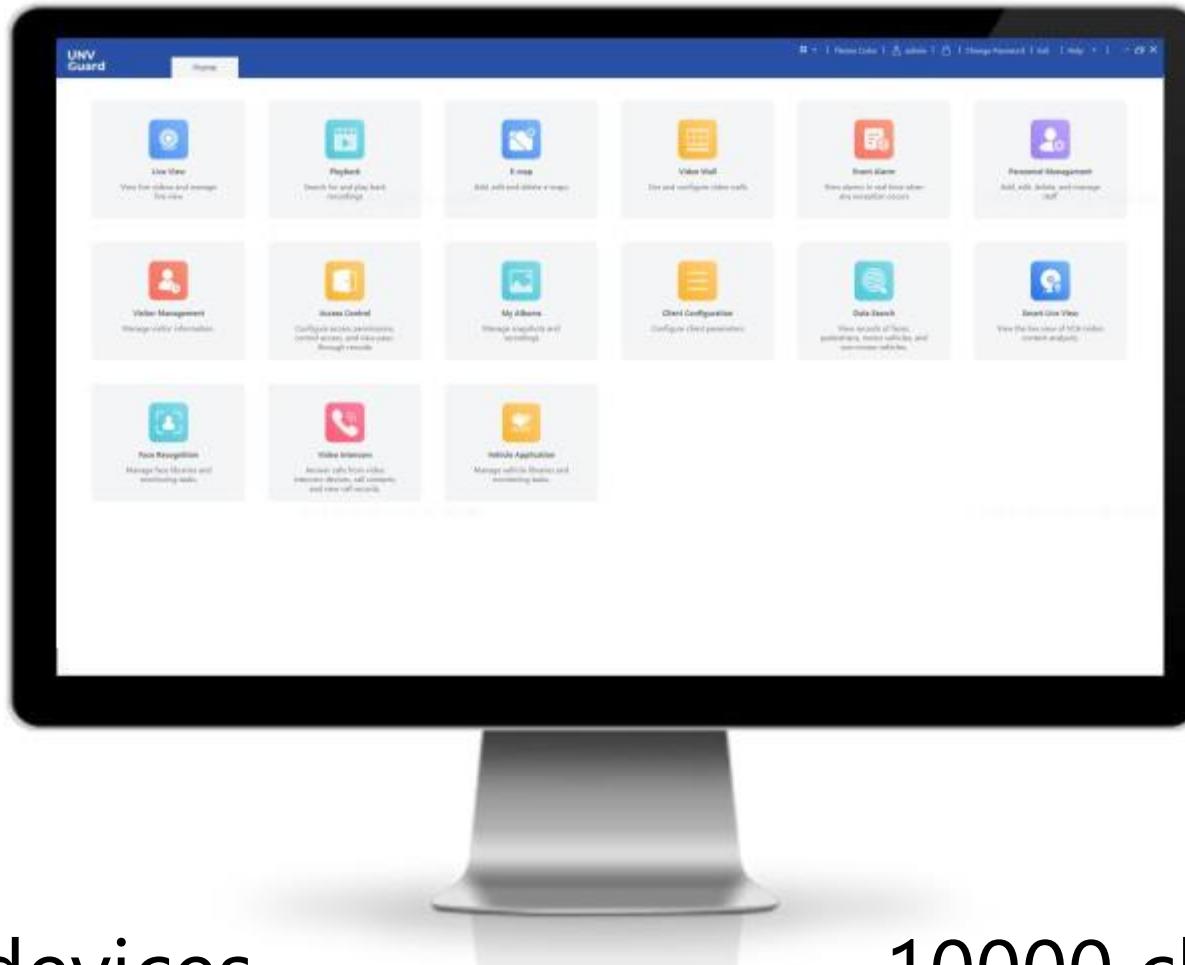
**Integrated Security Platform**



2000 devices

10000 channels

# UNV Guard Integrated Security Management Platform Software



2000 devices

10000 channels

# What is UNV Guard



## UNV Guard Integrated Security Platform

One software product **based on Windows Operating System**, on-demand purchase of function module and channel licenses.

Integrate video surveillance, personnel management, access management, video intercom, vehicle management in one platform.

Implement distributed deployment, support multiple devices of encoding device, decoder, access control, video intercom. It can introduce safe, smart, visualized and comfortable service for schools, communities, supermarkets.



# Park Building Chain



Community



Nursing Home



Tourist Attraction



Warehouse



Hospital



School



Supermarket Chain

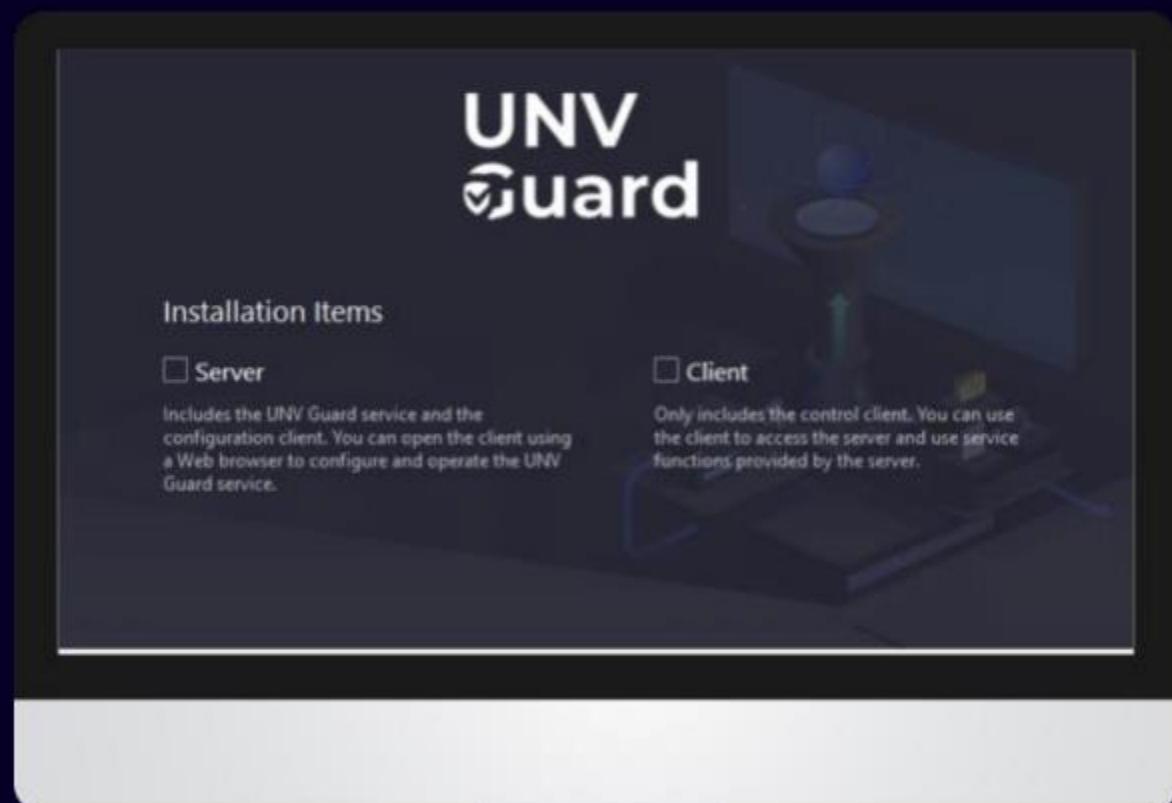


Building



**Easy To Install**

unv



## One package installation

**windows system, one installation package, you can choose to install the server or client**

## Simple Configuration

**Guided installation, easy installation steps, a few minutes to complete the installation**

## Simple And Intuitive

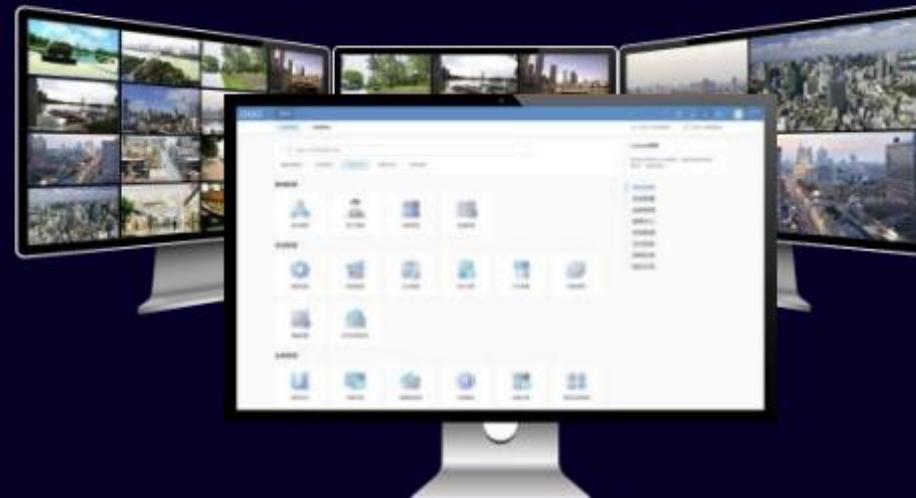
**The service status is visible, and the client can log in quickly**





### C/S client

Support video liveview/playback, access control management, event and alarm, visitor registration and record query, electronic map application.



### B/S client

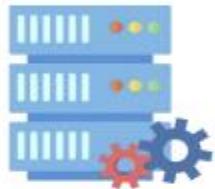
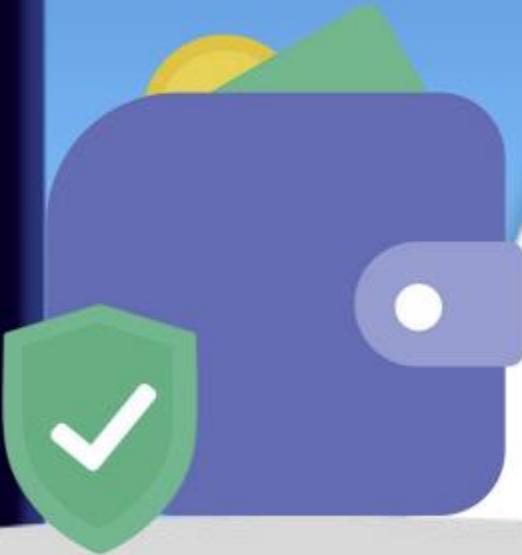
Interface customization, user rights management, alarm configuration, basic configuration including operation and maintenance management, resource management.



Coming Soon

### Mobile client

Mobile App, real-time liveview, playback, events and alarm. Anytime and anywhere!



## Data Security

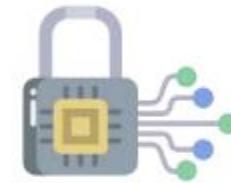
- ✓ Supports Hot Standby
- ✓ Video Content Protection: Ensure the safe transmission of video content, protect the video content. UNV Guard decrypt the encrypted code stream from IPC, and the video can be displayed normally

## Security Capability



## User Security

- ✓ Strong password
- ✓ Supports user locking and unlocking
- ✓ Support to keep the user alive, timeout logout
- ✓ Supports secondary service function permission assignment



## Transition Security

- ✓ Support Https protocol to ensure the confidentiality and integrity of data content during transmission;
- ✓ Support media streaming direct connection and forwarding, maximize the use of downstream device forwarding capabilities;

# UNV Guard Subsystems Module

1



2



# UNV Guard Subsystems Module

3



Access  
Control  
Subsystem

4



Time  
Attendance  
Management  
Subsystem

# UNV Guard Subsystems Module

5



6



# UNV Guard Subsystems Module

7



8





# Data Visualization

Data dashboard summarizes various types of data in the system and displays data statistics in visual diagrams.

It is convenient that users can directly monitor the business running status and implement effective management measures.



Device Status Statistics

People Snapshot Info

Visitor Statistics

People Flow Counting

Real-Time Alarm Statistics

Vehicle Snapshot Info

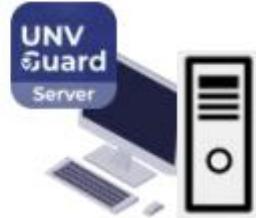
CPU Usage (%)

RAM Usage (GB)

# Product Specification

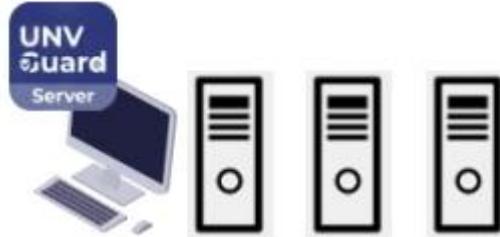
## Single Server Deployment

Max. 10,000 video channels



## Master-slave - Distributed Deployment

Max. 20,000 video channels



## Recommended Server



Model: VS-R5320-B1H@N-IN  
CPU: Intel Xeon 4310 (12Core 2.1GHz) ;  
Memory: 32G ;  
Storage: 4TB ;  
Port: GE\*2



# Economical Servers



## VS-R5320-B2X@I

Based on Intel Celeron processor, it is a lightweight 1U general-purpose server with ultra-low power consumption.

Parameter	Description
<b>Processor</b>	Intel® Celeron® N3160, 4 cores, 4 threads
<b>Memory</b>	4GB DDR3
<b>Network port</b>	GE*4
<b>USB</b>	USB3.0*4
<b>Display port</b>	VGA*1, HDMI*1
<b>Serial port</b>	RS232*1(RJ45), RS485*1(RJ45)
<b>Standard HDD</b>	1T SATA HDD*1
<b>Dimensions</b>	48mm(H) x 440mm(W) x 399.5mm(D)
<b>Power supply</b>	100V to 240V AC
<b>Power consumption</b>	Full-loaded≤40W
<b>Weight</b>	Full-loaded<10KG
<b>Operating temperature</b>	-10° C to 55° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# Economical Servers



## VS-R2010-C1L4

VS-R2010-C1L4 1U universal rack server adopts Intel® Pentium® Gold G5400 processor, uses Intel DMI3 technology with faster transmission rate, higher bit width and transmission bandwidth; uses single-chip bit width and frequency and power More power-optimized DDR4 memory; features high availability and low power consumption.

Parameter	Description
<b>Processor</b>	Intel G5400, 2 cores , 4 threads
<b>Memory</b>	8GB DDR4
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2
<b>USB</b>	USB3.0*4, USB2.0*2
<b>Display port</b>	VGA*1
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	Hot-swappable 3.5/2.5-inch hard drive bays*4
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD
<b>Pci-E slot</b>	PCI-E3.0*2
<b>Dimensions</b>	44mm(H)x430mm(W)x550mm(D)
<b>Power supply</b>	AC:180V~264V
<b>Power consumption</b>	Full-loaded≤300W
<b>Weight</b>	Full-loaded <17KG
<b>Operating temperature</b>	Operating 10° C to 35° C, Non-operating -40° C to +70° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# Economical Servers



## VS-R2020-C1L8

VS-R2010-C1L8 2U universal rack server adopts Intel® Pentium® Gold G5400 processor, uses Intel DMI3 technology with faster transmission rate, higher bit width and transmission bandwidth; uses single-chip bit width and frequency and power More power-optimized DDR4 memory; features high availability and low power consumption.

Parameter	Description
<b>Processor</b>	Intel G5400, 2 cores , 4 threads
<b>Memory</b>	8GB DDR4
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2
<b>USB</b>	USB3.0*4, USB2.0*2
<b>Display port</b>	VGA*1
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	Hot-swappable 3.5/2.5-inch hard drive bays*8
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD
<b>Pci-E slot</b>	PCI-E3.0*2
<b>Dimensions</b>	88mm(H)x430mm(W)x675mm(D)
<b>Power supply</b>	AC:180V~264V
<b>Power consumption</b>	Full-loaded≤550W
<b>Weight</b>	Full-loaded <25KG
<b>Operating temperature</b>	Operating 10° C to 35° C, Non-operating -40° C to +70° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# Economical Servers



## VS-R3120-A1L12

VS-R3120-A1L12 2U general-purpose rack server adopts Intel® Xeon® E-2134 processor, uses Intel DMI3 technology with faster transmission rate, higher bit width and transmission bandwidth; uses single-chip bit width and frequency and Power-optimized DDR4 memory; features high availability and low power consumption.

Parameter	Description
<b>Processor</b>	Intel E-2134, 4 cores , 8 threads
<b>Memory</b>	8GB DDR4
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2
<b>USB</b>	USB3.0*4, USB2.0*2
<b>Display port</b>	VGA*1
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	Hot-swappable 3.5/2.5-inch hard drive bays*8
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD
<b>Pci-E slot</b>	PCI-E3.0*2
<b>Dimensions</b>	88mm(H)x430mm(W)x675mm(D)
<b>Power supply</b>	AC:100V~240V
<b>Power consumption</b>	Full-loaded≤550W
<b>Weight</b>	Full-loaded <25KG
<b>Operating temperature</b>	Operating 10° C to 35° C, Non-operating -40° C to +70° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# Economical Servers



## VS-R3130-A1L16

VS-R3130-A1L16 3U general-purpose rack server adopts Intel® Xeon® E-2134 processor, uses Intel DMI3 technology with faster transmission rate, higher bit width and transmission bandwidth; uses single-chip bit width and frequency and Power-optimized DDR4 memory; provides advanced management functions and storage technology for better scalability and high availability.

Parameter	Description
<b>Processor</b>	Intel E-2134, 4 cores , 8 threads
<b>Memory</b>	8GB DDR4
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2
<b>USB</b>	USB3.0*4, USB2.0*2
<b>Display port</b>	VGA*1
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	Hot-swappable 3.5/2.5-inch hard drive bays*16
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD
<b>Pci-E slot</b>	PCI-E3.0*3
<b>Dimensions</b>	132mm(H)x437mm(W)x700mm(D)
<b>Power supply</b>	AC:100V~240V
<b>Power consumption</b>	Full-loaded≤550W
<b>Weight</b>	Full-loaded <32KG
<b>Operating temperature</b>	Operating 10° C to 35° C, Non-operating -40° C to +70° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# Economical Servers



## VS-R3140-A1L24

VS-R3140-A1L24 4U general-purpose rack server adopts Intel® Xeon® E-2134 processor, uses Intel DMI3 technology with faster transmission rate, higher bit width and transmission bandwidth; uses single-chip bit width and frequency and Power-optimized DDR4 memory; provides advanced management functions and storage technology for better scalability and high availability.

Parameter	Description
<b>Processor</b>	Intel E-2134, 4 cores , 8 threads
<b>Memory</b>	8GB DDR4
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2
<b>USB</b>	USB3.0*4, USB2.0*2
<b>Display port</b>	VGA*1
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	Hot-swappable 3.5/2.5-inch hard drive bays*24
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD
<b>Pci-E slot</b>	PCI-E3.0*3
<b>Dimensions</b>	178mm(H)x437mm(W)x700mm(D)
<b>Power supply</b>	AC:100V~240V
<b>Power consumption</b>	Full-loaded≤800W
<b>Weight</b>	Full-loaded <32.5KG
<b>Operating temperature</b>	Operating 10° C to 35° C, Non-operating -40° C to +55° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# CPU Servers



## VS-R5220-B2T@I

This high-end 2-socket 2U rack server is designed based on 2nd-generation Intel® Xeon® Scalable processors. It uses high-performance Intel® C620 series chipsets to deliver robust performance in a limited space and meanwhile provide scalability and high availability.

Parameter	Description
<b>Processor</b>	Intel® 4210 Xeon*2, Upgradable to Xeon Gold 6258R*2
<b>Memory</b>	Standard 32G*2, total 16 slots
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2, supports OCP or PCIe network interface expansion
<b>USB</b>	5*USB 3.0 (3 back, 2 front)
<b>Display port</b>	VGA*2
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	4T SATA HDD*1, expandable to 12 2.5/3.5-inch SAS/SATA/SSD HDD
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD (sold separately)
<b>Pci-E slot</b>	PCI-E3.0*6
<b>Dimensions</b>	87mm(H)x438mm(W)x735mm(D)
<b>Weight</b>	Full-loaded <27KG
<b>Operating temperature</b>	Operating 10° C to 35° C, Non-operating -40° C to +55° C
<b>Operating humidity</b>	5% to 95% RH, non-condensing

# CPU Servers



## VS-R5320-B2X

This high-end 2-socket 2U rack server is designed based on 3rd-generation Intel® Xeon® Scalable processors. It uses high-performance Intel® C621 series chipsets to deliver robust performance in a limited space and meanwhile provide scalability and high availability.

Parameter	Description
<b>Processor</b>	Intel® 4310 Xeon*2, Upgradable to Xeon Platinum 8380*2
<b>Memory</b>	Standard 32G*4, total 32 slots
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2, supports OCP or PCIe network interface expansion
<b>USB</b>	2*USB 3.0 (rear)
<b>Display port</b>	VGA*2
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	4T SATA HDD*1, expandable to 4 2.5/3.5-inch SAS/SATA/SSD HDD
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD (sold separately)
<b>Pci-E slot</b>	PCI-E4.0*6
<b>Dimensions</b>	87mm(H)x446mm(W)x794mm(D)
<b>Weight</b>	Full-loaded <35KG
<b>Operating temperature</b>	Operating 5° C to 40° C, Non-operating -40° C to +60° C
<b>Operating humidity</b>	20% to 93% RH, non-condensing

# CPU Servers With GPU



## VS-R5328S-C2X@AI

This mid-range 2-socket 2U rack server is designed based on 3rd-generation Intel® Xeon® Scalable processors. It uses high-performance Intel® C621 series chipsets which perfectly support various latest NVIDIA® GPU-accelerated services to deliver robust performance in a limited space and meanwhile provide scalability and high availability.

Parameter	Description
<b>Processor</b>	Intel® 4310 Xeon*2, Upgradable to Xeon Platinum 8380*2
<b>Memory</b>	Standard 32G*4, total 32 slots
<b>Management port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	GE*2, supports OCP or PCIe network interface expansion
<b>USB</b>	4*USB 3.0 (2 rear, 2 front)
<b>Display port</b>	VGA*2
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	4T SATA HDD*1, 1.92T SATA R SSD*1, expandable to 12 2.5/3.5-inch SAS/SATA/SSD HDD
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD (sold separately)
<b>Pci-E slot</b>	PCI-E4.0*8
<b>Graphics card</b>	Supports 8* low profile graphics cards (such as T4 card)
<b>Dimensions</b>	87mm(H)x446mm(W)x794mm(D)
<b>Weight</b>	Full-loaded <38KG
<b>Operating temperature</b>	Operating 5° C to 35° C, Non-operating -40° C to +60° C
<b>Operating humidity</b>	20% to 93% RH, non-condensing

# CPU Servers With GPU



## VS-R5348D-C2V@AI

This high-end 2-socket 4U rack server is designed based on 3rd-generation Intel® Xeon® Scalable processors. It uses high-performance Intel® C621 series chipsets which perfectly support various latest NVIDIA® GPU-accelerated services to deliver robust performance in a limited space and meanwhile provide scalability and high availability.

Parameter	Description
<b>Processor</b>	Intel®5320 Xeon*2, Upgradable to Xeon Platinum 8380*2
<b>Memory</b>	Standard 32G*4, total 32 slots
<b>Mangement port</b>	Independent 1000Mbps Interface, supports remote management dedicated to IPMI
<b>Network port</b>	10 GE*2, supports OCP or PCIe network interface expansion
<b>USB</b>	4*USB 3.0 (2 rear, 2 front)
<b>Display port</b>	VGA*2
<b>Serial port</b>	COM*1
<b>Standard HDD</b>	4T SATA HDD*1, 1.92T SATA R SSD*2, expandable to 24 2.5/3.5-inch SAS/SATA/SSD HDD
<b>RAID card</b>	1 pics, support RAID 0,1,5,10,50,JBOD (sold separately)
<b>Pci-E slot</b>	PCI-E4.0*12
<b>Graphics card</b>	Supports 8* low profile graphics cards (such as T4 card)
<b>Dimensions</b>	176mm(H)x432mm(W)x798mm(D)
<b>Weight</b>	Full-loaded <84KG
<b>Operating temperature</b>	Operating 5° C to 35° C, Non-operating -40° C to +60° C
<b>Operating humidity</b>	20% to 93% RH, non-condensing

# Professional Storage

Nebula, with high performance, high reliability, high availability, high density, high scalability and high usability, is a new-generation unified network storage. Integrating a wide range of features such as iSCSI, storage, RAID processing, failover protection, permanent data protection and cutting-edge disk management technology, Nebula offers concurrent block access performance (iSCSI), and thus forms a comprehensive solution to storage in video surveillance.





## TECHNICAL PARAMETERS

	<b>VX1624-C@V3</b>	<b>NI-VX1636-C@V3</b>	<b>NI-VX1648-C@V3</b>
<b>Video Input</b>	Up to 320ch/640Mbps	Up to 320ch/640Mbps	Up to 320ch/640Mbps
<b>Network Interface</b>	3 10/100/1000 Mbps Ethernet interface	3 10/100/1000 Mbps Ethernet interface	3 10/100/1000 Mbps Ethernet interface
	4 port 2.5GE interface module (optional)	4 port 2.5GE interface module (optional)	4 port 2.5GE interface module (optional)
	2-port 10 GE SFP+ interface module (optional)	2-port 10 GE SFP+ interface module (optional)	2-port 10 GE SFP+ interface module (optional)
	4-port 10 GE SFP+ interface module (optional)	4-port 10 GE SFP+ interface module (optional)	4-port 10 GE SFP+ interface module (optional)
<b>RAID</b>	JBOD and RAID 0,1,5,6	JBOD and RAID 0,1,5,6	JBOD and RAID 0,1,5,6
	Dedicated hot-spare disk and global hot-spare disk	Dedicated hot-spare disk and global hot-spare disk	Dedicated hot-spare disk and global hot-spare disk
<b>Protocol</b>	iSCSI	iSCSI	iSCSI
<b>HDD</b>	24 SATA interfaces	36 SATA interfaces	48 SATA interfaces
<b>Power Supply</b>	default 1, optional 1	default 1, optional 1	default 1, optional 1
<b>Dimensions(H×W×D)</b>	175.0mm×481.6mm×583.0mm	175.0mm×481.6mm×583.0mm	178mm×481.6mm×799.8mm
<b>Consumption</b>	<331W(fully configured)	<506W(fully configured)	<700W(fully configured)



## TECHNICAL PARAMETERS

	VX1824-V3	VX1848-V3
Video Input	Up to 512ch/1024Mbps	Up to 512ch/1024Mbps
Network Interface	5 port 2.5GE interface module 4 port 2.5GE interface module (optional) 2-port 10 GE SFP+ interface module (optional) 4-port 10 GE SFP+ interface module (optional)	5 port 2.5GE interface module 4 port 2.5GE interface module (optional) 2-port 10 GE SFP+ interface module (optional) 4-port 10 GE SFP+ interface module (optional)
Back Interface	2-port 4*12 Gbps Mini SAS HD	2-port 4*12 Gbps Mini SAS HD
RAID	JBOD and RAID 0,1,5,6 Dedicated hot-spare disk and global hot-spare disk	JBOD and RAID 0,1,5,6 Dedicated hot-spare disk and global hot-spare disk
Protocol	iSCSI	iSCSI
HDD	24 SATA interfaces	48 SATA interfaces
Power Supply	default 1, optional 1	default 1, optional 1
Dimensions(H×W×D)	175.0mm×481.6mm×589.0mm	178mm×481.6mm×801mm
Consumption	< 350W (fully configured)	< 600W (fully configured)
Disk Enclosure	DE1824-V3	DE1848-V3



## TECHNICAL PARAMETERS

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Video Input	Up to 512ch/1024Mbps	
Network Interface	5 port 2.5GE interface module	4 port 2.5GE interface module (optional)
	2-port 10 GE SFP + interface module (optional)	4-port 10 GE SFP + interface module (optional)
Back Interface	2-port 4*12 Gbps Mini SAS HD	
RAID	JBOD and RAID 0,1, 5, 6 Dedicated hot-spare disk and global hot-spare disk	
Protocol	iSCSI	
HDD	60 SATA interfaces	
Power Supply	default 1, optional 1	
Dimensions(H×W×D)	178mm×482mm×981mm	
Consumption	< 900W (fully configured)	
Disk Enclosure	DE3160-V3@S	

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## VX3060-V3@S

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#### TECHNICAL PARAMETERS

##### Expand Interface

#### DE3124-V3

#### DE3148-V3

##### HDD

##### Dimensions(H×W×D)

4-port 4\*12 Gbps Mini SAS HD

24HDDs

175.0mm×481.6mm×589.0mm

4-port 4\*12 Gbps Mini SAS HD

48HDDs

178mm×481.6mm×801mm

#### TECHNICAL PARAMETERS

##### Expand Interface

#### DE3160-V3

#### DE3160-V3@S

##### HDD

##### Dimensions(H×W×D)

4-port 4\*12 Gbps Mini SAS HD

60HDDs

178mm×482mm×981mm

2-port 4\*12 Gbps Mini SAS HD

60HDDs

178mm×482mm×981mm



# Soon 86HDD .

# VX1886-V3 Network Storage

## Overview

VX1886-V3 network storage, with high performance, high reliability, high density, high scalability and high usability, is a new-generation unified network storage developed especially for video surveillance. Integrating a range of features such as iSCSI storage, RAID processing, permanent data protection and cutting-edge disk management technology, this device offers concurrent block access performance (iSCSI), and thus to be a comprehensive solution to storage in video surveillance.



# Soon 116 HDD .

## VX18116-V3 Network Storage

### Overview

VX18116-V3 network storage, with high performance, high reliability, high density, high scalability and high usability, is a new-generation unified network storage developed especially for video surveillance. Integrating a range of features such as iSCSI storage, RAID processing, permanent data protection and cutting-edge disk management technology, this device offers concurrent block access performance (iSCSI) ,and thus to be a comprehensive solution to storage in video surveillance.





# LCD VIDEO WALL



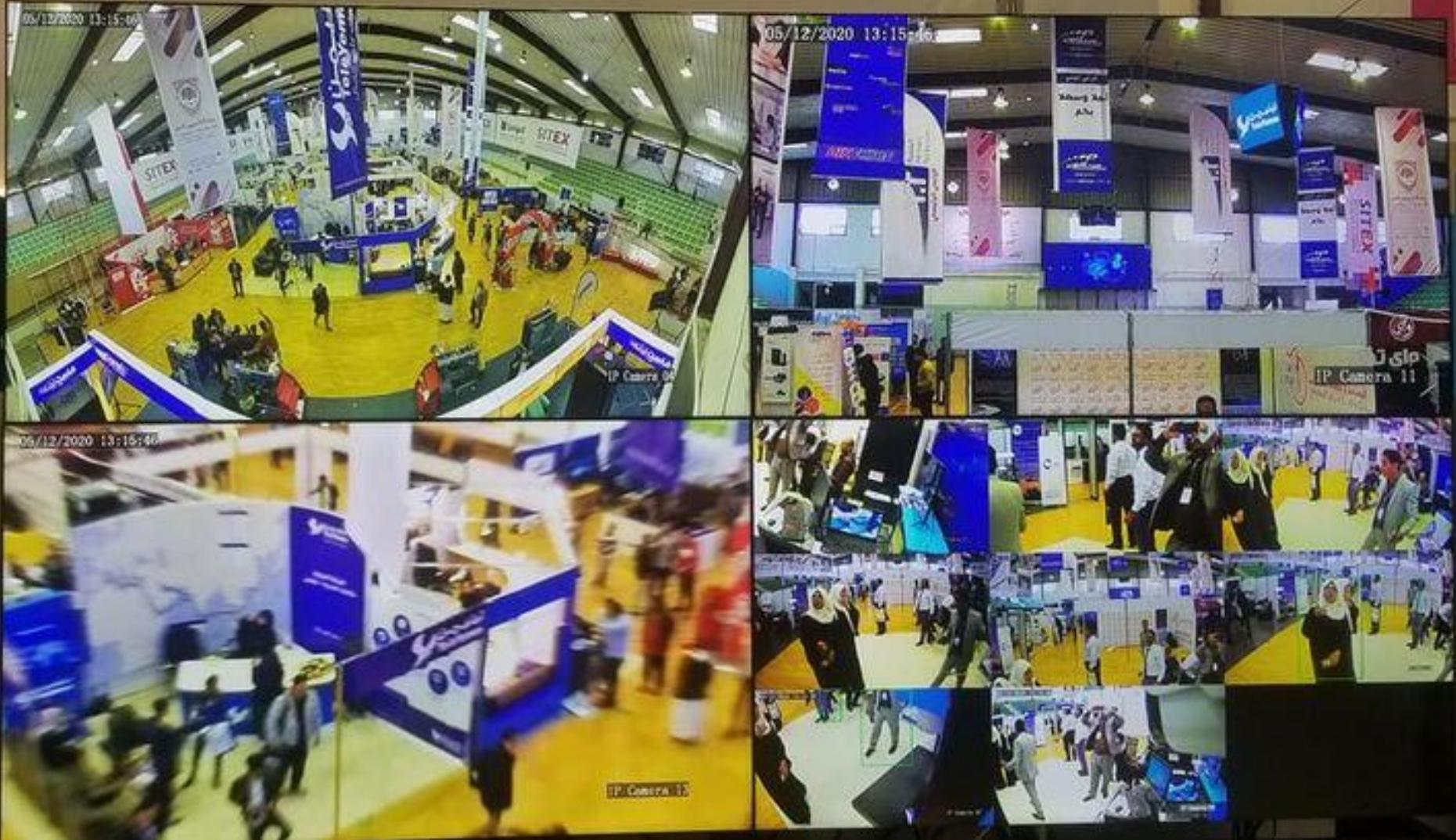
# Professional Bracket for Quick Installation

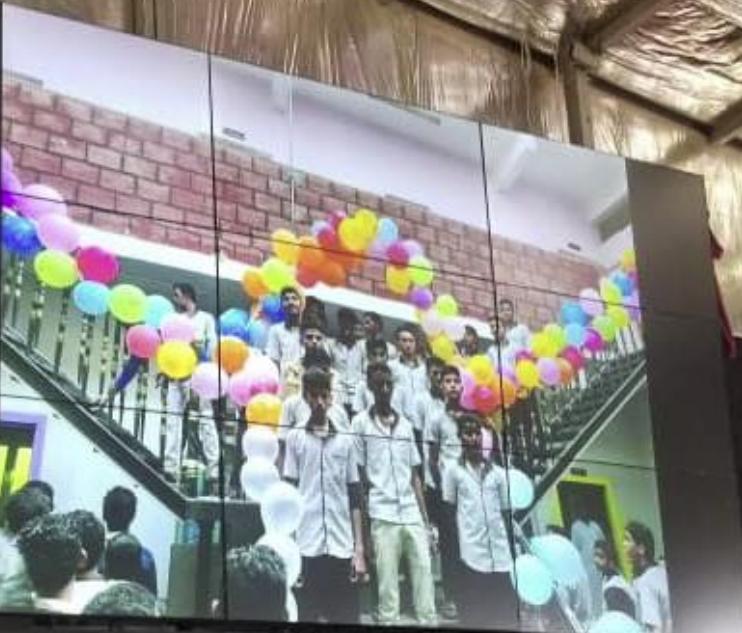


Floor-standing  
Mode



Wall-mounting  
Mode





# LCD Video Wall

unv



CON  
TROL



# أجهزة التحكم بالشاشات Controller

## Decoder



1 ch



4/6/10 ch



6/9/12 ch

## Video Wall Controller



2U



3U

## Network Keyboard



KB-1100-E



KB-2100

## Control Software



EZwall for PC

EZControl for Android  
EZControl Plus for iOS



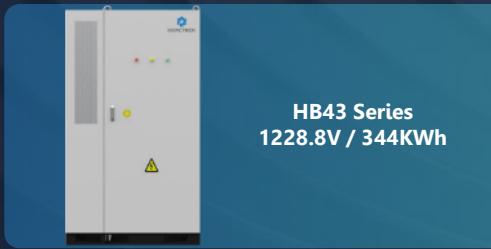
أنظمة الطاقة المتجددة من يونيفيو

# Hopetrek Energy Storage Products

## Commercial Energy Product



AIO Series Three-phase  
100kW / 215kWh



HB43 Series  
1228.8V / 344kWh

## Portable Power Product



EnerCube Series  
1000W



EnerCube Series  
2000W/2500W



EnerGo Series  
140W

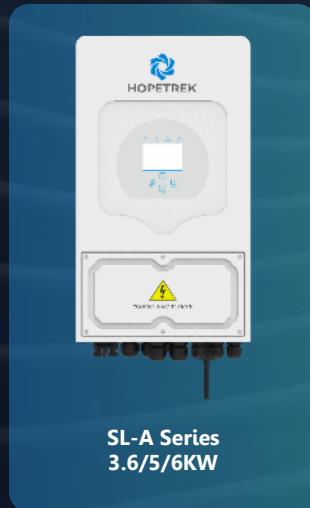


SPL Series  
100W/200W

## Single-phase ESS product



AIO-SL-A series  
6kW-10kWh



SL-A Series  
3.6/5/6kW

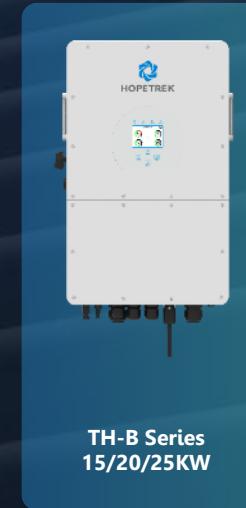


LB5 Series  
5-20kWh battery

## Three-phase ESS product



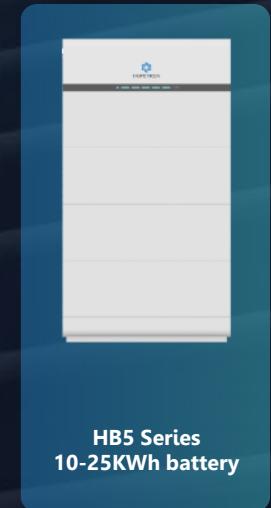
TH-A series  
5/6/8/10/12kW



TH-B Series  
15/20/25kW



HB2 Series  
10/12/15/18/20kWh



HB5 Series  
10-25kWh

# البوابات الذكية Smart Access

# Smart Access

## Video Intercom

**Villa Door Station****Apartment Door Station****Indoor Station**

Video intercom products provide clear two-way audio and video streams for users to verify visitors.

## Turnstile

**OFG5311/OFG5312 Tripod Barrier****OFG8501 Swing Barrier**

## Access Control

**OER-SR Access Controller****Reader****Enroller****Accessories**

The access control can control the entrance and exit by the card and password.

**FG8601 Swing Barrier****FG8221 Swing Barrier****FG8801 Swing Barrier**

Integrates multiple technologies to realize intelligent access management.

Suitable for different applications (offices, buildings, campuses, etc.)

# Video Intercom



## Image Quality

High-quality video with clear imaging even in challenging lighting conditions

## GUI

User-friendly GUI for straightforward operation

## Mobile APP

Convenient mobile app for remote monitoring and control

## CCTV Integration

Compatible with CCTV cameras for enhanced surveillance capabilities

# UNIVIEW SMART A.I. BOX

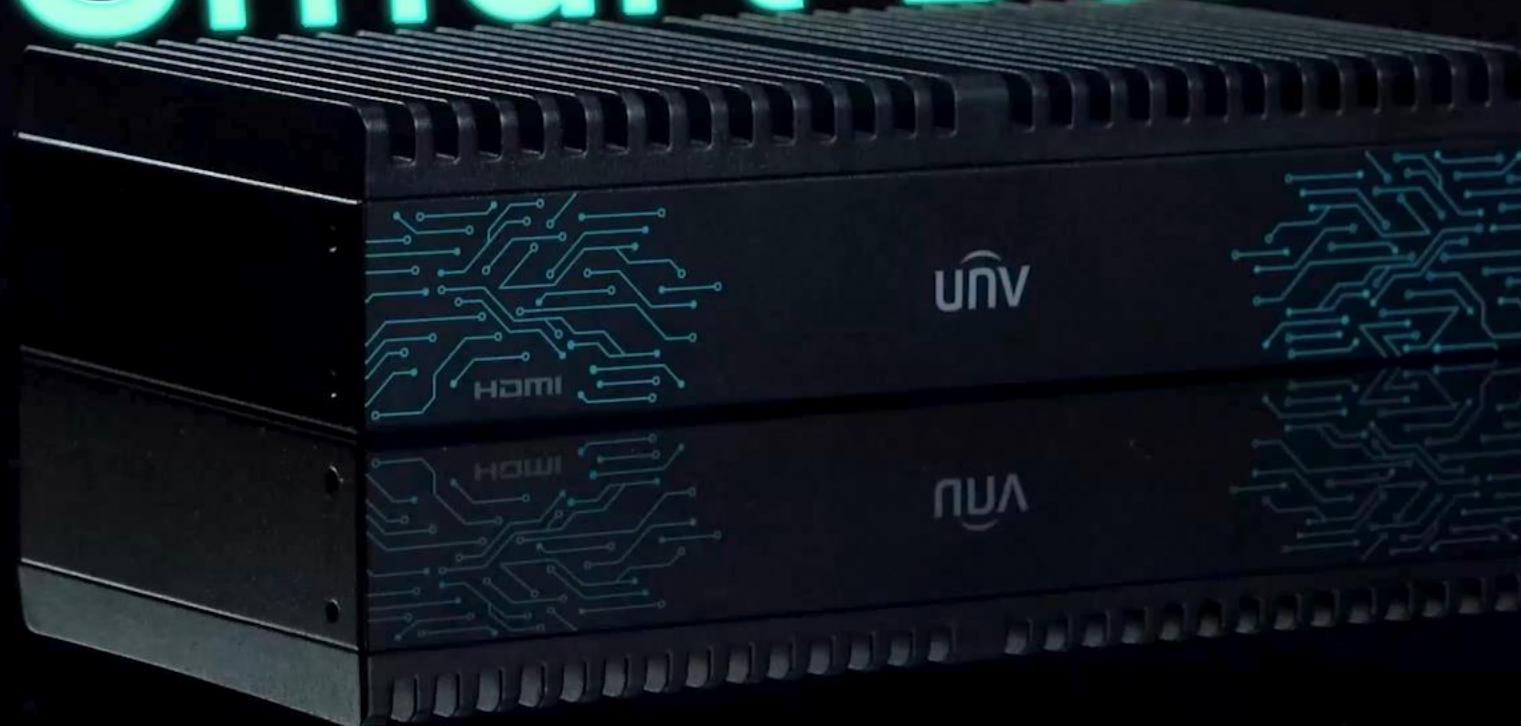
AI Video Analytic

unv

Features

- 1.No helmet detection, 2.no chef hat detection, 3.no work clothes detection,
- 4.smoking detection, 5.smoke and fire detection, 6.calling detection, 7.no mask detection, 8.rat detection, 9.long stay detection, 10.fall detection,
- 11.fight detection, 12.absence detection, 13.people counting, 14.heat map

# Smart Box



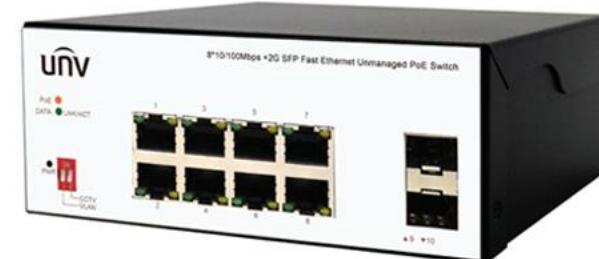


# INDUSTRIAL HARSH POE SWITCH

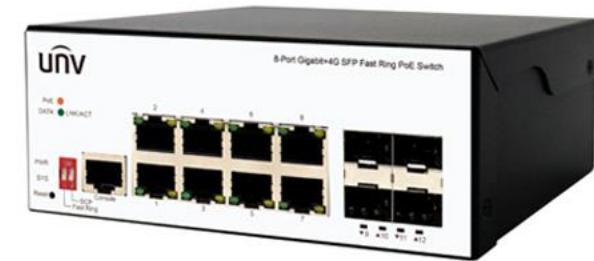
## سوتشات صناعية من يونيفيو



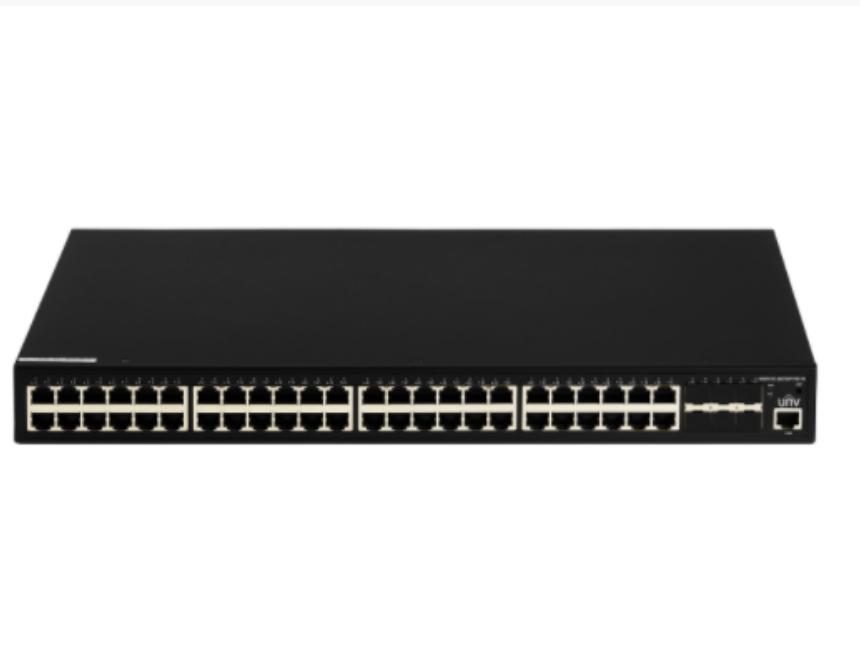
ISW2000-4T2GP-POE



ISW2000-8T2GP-POE



ISW5000-8GT4GP-POE L2



&gt;

# NSW5130-48GT6XP-POE-IN

48GE Ethernet Switch(PoE)

- Flexible Gigabit access. With flexible 8/24/48 Gigabit interface access, NSW5130 Series is compatible with non-multiplexed SFP interfaces to enable high density Gigabit access and protect users' investment.
- Multiple services. NSW5130 Series supports multicast protocols such as IGMP, IGMP Snooping , FRRP (fast ring network recovery) protocol and FLRP (fast link recovery protocol).
- Sound security control policy. NSW5130 Series provides multiple authentication modes based on MAC address, 802.1x, and Portal. It supports dynamic or static binding of user identity, such as user account, IP, MAC, VLAN, and interface.
- Rich QoS policy. NSW5130 Series supports traffic identification on interfaces. It provides multiple stream classifications based on source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN.
- Outstanding management. Compatible with SNMPv1/v2/v3 standard network management protocol, NSW5130 Series provides CLI command lines and a Web management interface.



# NSW6630-48XP8CQ-IN

## 48SFP+ Layer-3 Switches

- High-capacity high-density 10G interface. It is the industry's first-class 1U cassette switch, with up to 80x10G interfaces capability, meeting the challenge of high density and high bandwidth access in next-generation cloud computing data centers.
- Rich data center features. NSW6630 Series is equipped with the TRILL (Transparent Interconnection of Lots of Links) technology to enhances network stability and realizes quick convergence of the Layer 2 network. Compatible with VXLAN, 802.3 Qbg, NSW 6630 Series enables a highly integrated network combining traditional front-end server and back-end storage.
- Multi-service support capability. With MCE, NSW6630 Series creates and maintains separate routing tables for each VPN to ensure user isolation on the same device. It can serve as a reliable and economical solution for the secure isolation of multi-services in the network. NSW6630 Series supports multiple protocols such as IGMP, IGMP Snooping and PIM. It supports large-scale multicast entries to fully satisfy the requirements of IP HD video surveillance and other multicast services. Compatible with fast ring network recovery protocol (FRRP) and fast link recovery protocol (FLRP).
- Virtual Switching Matrix (VSM). NSW6630 Series adopts Virtual Switching Matrix



# NSW5660-28GP8XP-IN

## 28GP8XP Switches

- High performance port density scalability. With maximum of 8x10-Gigabit optical interfaces and flexibly scalable Gigabit interfaces, NSW5660 Series is a full wire-speed interconnection solution with the highest cost-effectiveness.
- Virtual Switching Matrix (VSM). The NSW5660 series adopts Virtual Switching Matrix (VSM) technology, which performs virtualization of multiple physical devices into a single logical device for unified configuration and management.
- Multiple services. The NSW5660 series supports multiple protocols such as IGMP, IGMP Snooping, GMRP, and PIM. It supports large-scale multicast entries to fully satisfy the requirements of IP HD video surveillance and other multicast services.
- Sound security control policy. The NSW5660 series provides multiple centralized authentication modes based on MAC address, 802.1x. It supports dynamic or static binding of user identity, such as user account, IP, MAC, VLAN, and interface.
- Guaranteed high reliability. Compatible with fast ring network recovery protocol (FRRP) and fast link recovery protocol (FLRP), the NSW5660 series provides a self-recovery performance of less than 20 milliseconds.
- Full support of IPV4/IPv6 dual stack. The NSW5660 series supports IPV4/IPv6 dual stack and IPv6 over IPV4 Tunnel (including manual Tunnel, 6to4 Tunnel, ISATAP Tunnel) as well as IPv6 layer 3 wire-speed forwarding. It can be flexibly deployed on a network with only IPV4 or IPV6, or with both IPV4 and IPV6, thus satisfying the



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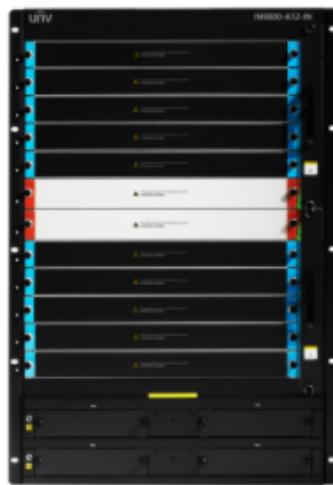
# NSW5660-28GT8XP-IN

## 28GE8XP Switches

- High performance port density scalability. With maximum of 8x10-Gigabit optical interfaces and flexibly scalable Gigabit interfaces, NSW5660 Series is a full wire-speed interconnection solution with the highest cost-effectiveness.
- Virtual Switching Matrix (VSM). The NSW5660 series adopts Virtual Switching Matrix (VSM) technology, which performs virtualization of multiple physical devices into a single logical device for unified configuration and management.
- Multiple services. The NSW5660 series supports multiple protocols such as IGMP, IGMP Snooping, GMRP, and PIM. It supports large-scale multicast entries to fully satisfy the requirements of IP HD video surveillance and other multicast services.
- Sound security control policy. The NSW5660 series provides multiple centralized authentication modes based on MAC address, 802.1x. It supports dynamic or static binding of user identity, such as user account, IP, MAC, VLAN, and interface.
- Guaranteed high reliability. Compatible with fast ring network recovery protocol (FRRP) and fast link recovery protocol (FLRP), the NSW5660 series provides a self-recovery performance of less than 20 milliseconds.
- Full support of IPv4/IPv6 dual stack. The NSW5660 series supports IPv4/IPv6 dual stack and IPv6 over IPv4 Tunnel (including manual Tunnel, 6to4 Tunnel, ISATAP Tunnel) as well as IPv6 layer 3 wire-speed forwarding. It can be flexibly deployed on various network environments.

# IN9800-A12-IN

## IN9800 A12 Intelligent Switch Gateway



- Strong service processing capabilities. It supports perfect Layer 2 and 3 multicast protocols such as PIM SM, PIM DM, PIM SSM, MLD, and IGMP Snooping, and meets the requirements of multi-terminal HD video surveillance and video conferencing access.
- Complete security control policies. IN9800 Series supports MAC address authentication, 802.1x authentication, and PORTAL authentication, and has a built-in authentication server. It supports dynamic or static binding of user identity elements such as user accounts, IPs, MACs, VLANs, and ports, and implements dynamic delivery of user policies.
- Virtualization features. Relying on the self-developed VSM technologies, IN9800 Series can transform multiple similar service modules into "resource pools" that can be flexibly scheduled, realize the "granularization" of service platform resources, and greatly improve the resource utilization efficiency.
- Comprehensive IPV4/IPv6 dual stack. IN9800 Series hardware supports IPV4/IPv6 dual-stack and IPv6 over IPV4 tunnels (including manual tunnels, 6to4 tunnels, and ISATAP tunnels), and supports IPV6 Layer 3 line-speed forwarding, which can be used for pure IPV4 or IPV6 networks, as well as IPV4 to IPV6 coexistence networks.
- Carrier-grade high reliability. IN9800 Series supports technologies such as master control redundancy for redundancy, N+1 power supply, uninterrupted reboot, hot



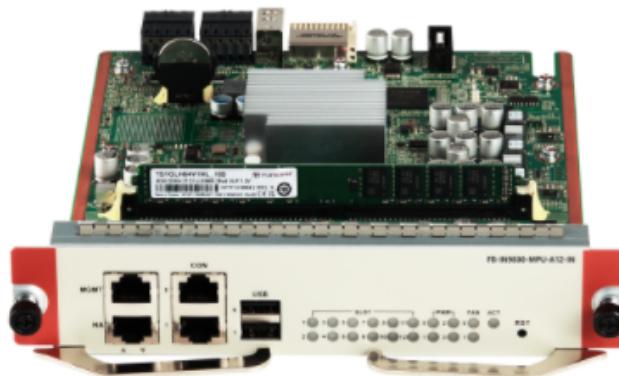
# IN9800-A3-IN

## IN9800 A3 Intelligent Switch Gateway

- Strong service processing capabilities. It supports perfect Layer 2 and 3 multicast protocols such as PIM SM, PIM DM, PIM SSM, MLD, and IGMP Snooping, and meets the requirements of multi-terminal HD video surveillance and video conferencing access.
- Complete security control policies. IN9800 Series supports MAC address authentication, 802.1x authentication, and PORTAL authentication, and has a built-in authentication server. It supports dynamic or static binding of user identity elements such as user accounts, IPs, MACs, VLANs, and ports, and implements dynamic delivery of user policies.
- Virtualization features. Relying on the self-developed VSM technologies, IN9800 Series can transform multiple similar service modules into "resource pools" that can be flexibly scheduled, realize the "granularization" of service platform resources, and greatly improve the resource utilization efficiency.
- Comprehensive IPv4/IPv6 dual stack. IN9800 Series hardware supports IPv4/IPv6 dual-stack and IPv6 over IPv4 tunnels (including manual tunnels, 6to4 tunnels, and ISATAP tunnels), and supports IPv6 Layer 3 line-speed forwarding, which can be used for pure IPv4 or IPv6 networks, as well as IPv4 to IPv6 coexistence networks.
- Carrier-grade high reliability. IN9800 Series supports technologies such as master control redundancy, fan redundancy, N+1 power supply, uninterrupted reboot, hot

# FB-IN9800-MPU-A12-IN

IN9800 A12 Main Control Module



- IN9800-A12 main control board, supports dual master redundancy
- Supports multiple management methods including web, SSH, Telnet and Console

# FB-IN9800-SFU-A6-IN

IN9800 A6 Switch Fabric Unit

- Cross-board high-speed forwarding, stable and reliable



# FB-IN9800-8XP-IN

IN9800 Ethernet Interface Module(8SFP+)

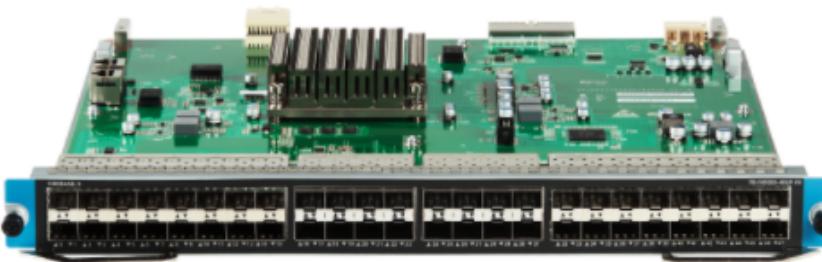
- Full 10 Gigabit access, high-speed forwarding, and flexible expansion

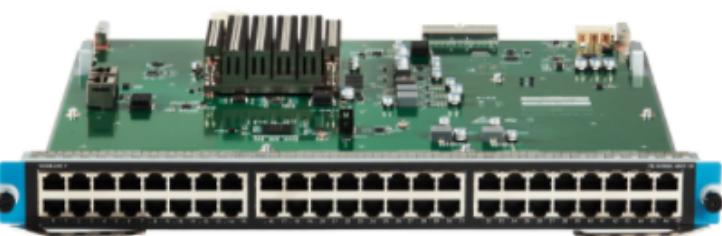


# FB-IN9800-48GP-IN

IN9800 Ethernet Interface Module(48SFP)

- High-density gigabit optical port access, high-speed forwarding, and free expansion





## FB-IN9800-48GT-IN

IN9800 Ethernet Interface Module(48GE)

- High-density gigabit port access, high-speed forwarding, and free expansion

# FB-IN9800-48XP-IN

IN9800 Ethernet Interface Module(48SFP+)

- High-density 10G optical port access, high-speed forwarding, and free expansion





No Power? No Network?  
High Labor Cost?

# Smart Management Box Solve It All



## All in 1 Box

IP Camera | NVR | IP Speaker | 4G Router | Solar Power  
Alarm Light | Power Management Module

Available in Two Models:  
Solar Panel or City Power Supply

### Smart Functions

AcuSearch  
Smart Intrusion Prevention  
Ultra Motion Detection

### Remote Management

IP Cameras Rebooting  
NVR Rebooting

### Adapt to Extreme Environments



Waterproof



Dustproof



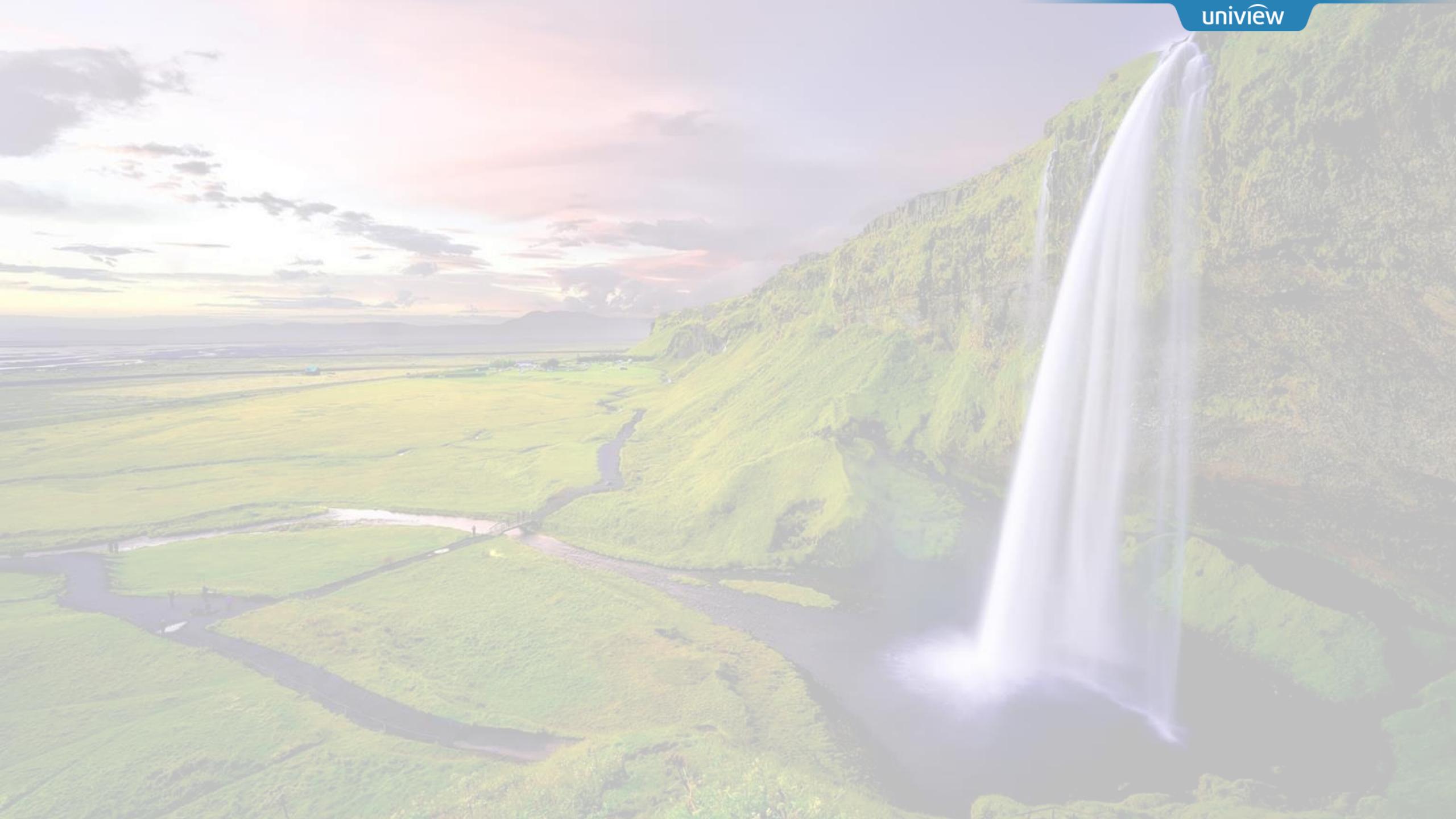
Anti-vibration



Circuit  
Protection



Temperature  
Adaptation



# Thank You.

شكراً لكم ..

Uniview Technologies