

# DIGIEVER

## IP Video Surveillance Solutions







DIGIEVER is a leading company dedicated to providing high quality and outstanding performance of IP video surveillance solutions. DIGIEVER takes DIGIEVER NVR, Linux-embedded network video recorder, as the core and develops relative video surveillance product lines, to satisfy increasing video surveillance requirements in the world. DIGIEVER's comprehensive NVR products have been successfully distributed through worldwide channel partners that cross five continentals.





# Compatible Camera Brands and Technical Alliance Partners



Compatible UPS Brands

Compatible Access Control Brands

APC CyberPower OMRON

HID HUNDURE

Technical Alliance

AXIS ADP Program asustor intel inside Seagate ONVIF

intel inside

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**CMS-Server**  
Manage DIGIEVER NVRs

**DIGIEVER NVR**  
Camera recording, monitoring, playback and management

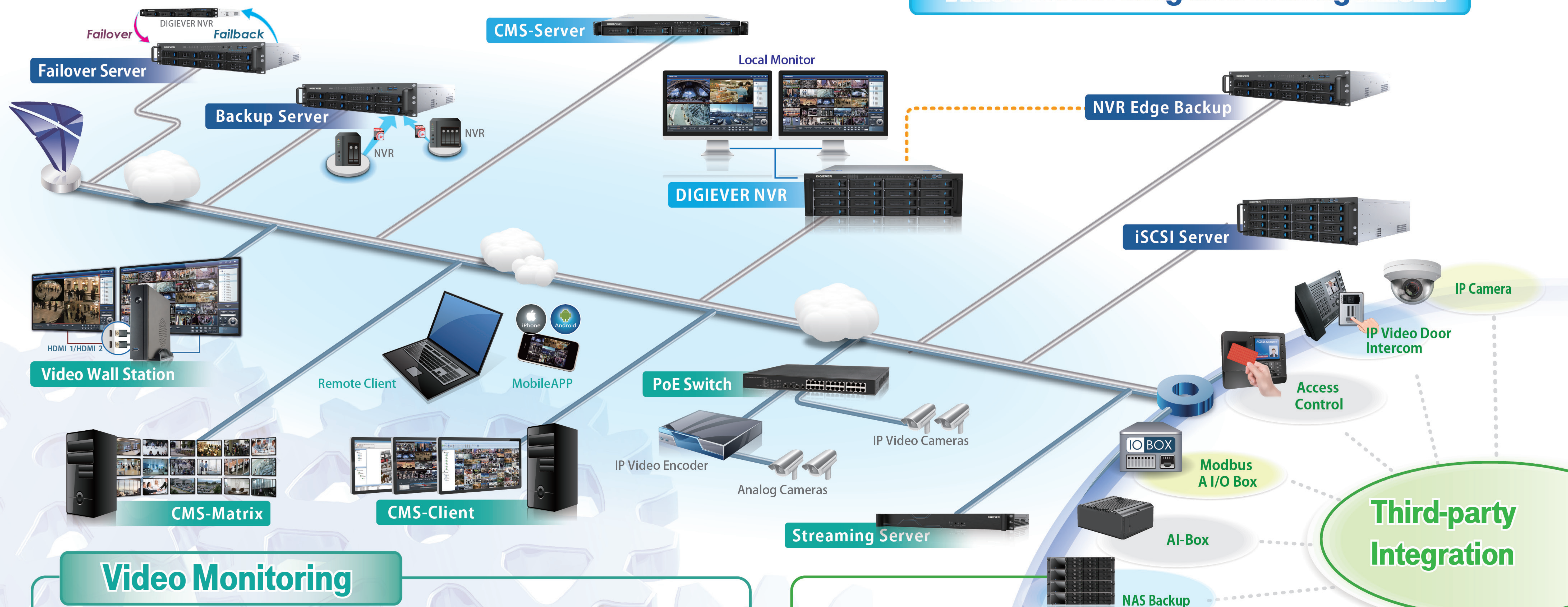
**Failover Server**  
Take over DIGIEVER NVR for emergency

**Backup Server**  
Centrally backup IP cameras from diverse DIGIEVER NVRs

**iSCSI Server**  
Storage expansion for DIGIEVER NVR

**NVR Edge Backup**  
Simultaneous recording and mutual backup solution

## Video Recording and Management



## Video Monitoring

**Local Monitor**  
PC-less monitoring via NVR's HDMI/ VGA connector

**Remote Client & MobileAPP**  
Remotely monitor DIGIEVER NVRs via PC and iOS/ Android device

**Video Wall Station**  
Monitor and playback for secondary control room

**CMS-Client**  
Centralized NVR and configure CMS-Matrix

**CMS-Matrix**  
Large-scale video wall central monitoring

**Streaming Server**  
Duplicate camera streaming for remote access and monitoring

**PoE Switch**  
Able to be configured via DIGIEVER NVR

**Streaming Server**

**IP Camera**  
Integrated with hundreds camera brands and thousands models

**IP Video Door Intercom System**  
Support Aiphone IP video door intercom system  
Solidly control your visitors and record their visiting videos

**Access Control Device**  
Integrate HID access control  
Centrally guard your entrance

**Modbus A I/O Box**  
Support Modbus analog I/O- digital I/O boxes  
Smart Environment Control

**AI Box**  
Integrate EdgeDX AI Box  
Collect metadata and AI-events from non-AI cameras for video analysis via AI Search

**NAS Backup**  
Remote backup to NAS

## Third-party Integration



## Real-time Local Display

- 4K UHD hardware decode performance
- Up to 64 channels realtime local display
- Dual display to monitor different liveview screens on two monitors

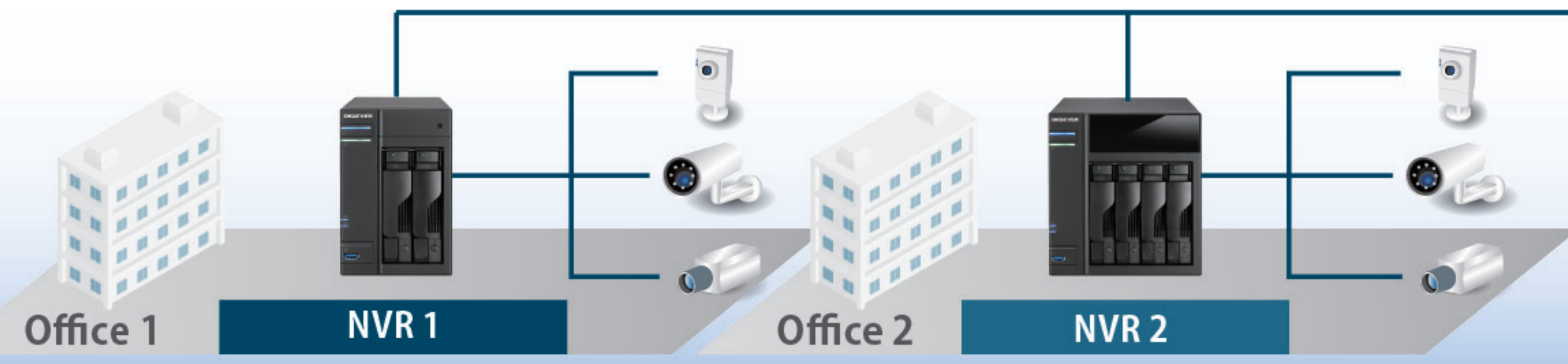


## Remote Monitoring



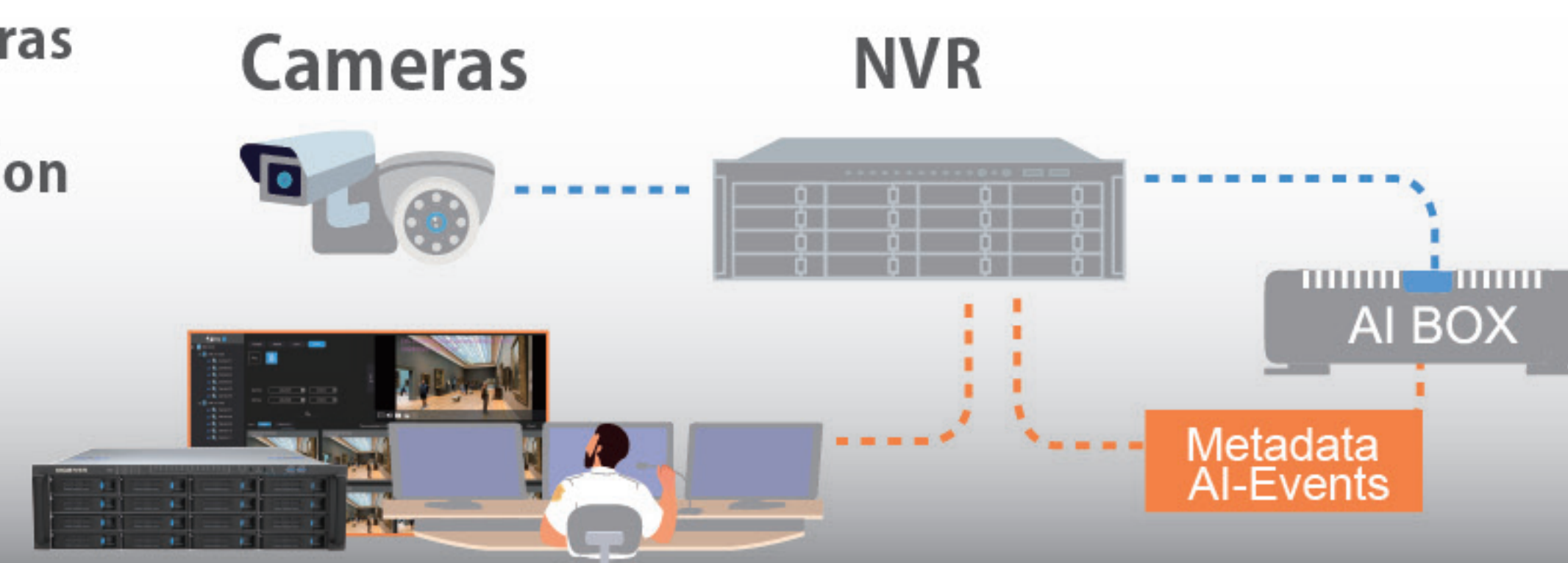
## Mini-CMS Server Monitoring

- Up to 512 channels
- Simultaneously monitor other remote NVR sites



## AI Box Integration

- Connect up to 64-CH cameras
- Centralized AI-event & action management
- Accurate AI-Events search via AI Search



## Streaming Server

- Forwarding performance: 1000 streams (CIF with 512K bitrate)
- Up to 128-channel connection from cameras or NVRs
- Dual-streaming per channel: up to 256 inputs
- Up to 128 clients simultaneously access to one camera



## All-in-one Standalone NVR Solutions

- Built-in NVR server
- Built-in Mini-CMS server
- Built-in failover server
- Built-in NVR relay server
- Integrated access control server
- Integrated Modbus A/IO-D/IO box server
- Integrated IP Video Door Intercom server
- Integrated AI box
- Built-in NVR backup server
- Built-in DHCP server
- Built-in NTP server
- Built-in SNMP server

Uninterruptible Power Supply  
24/7 service

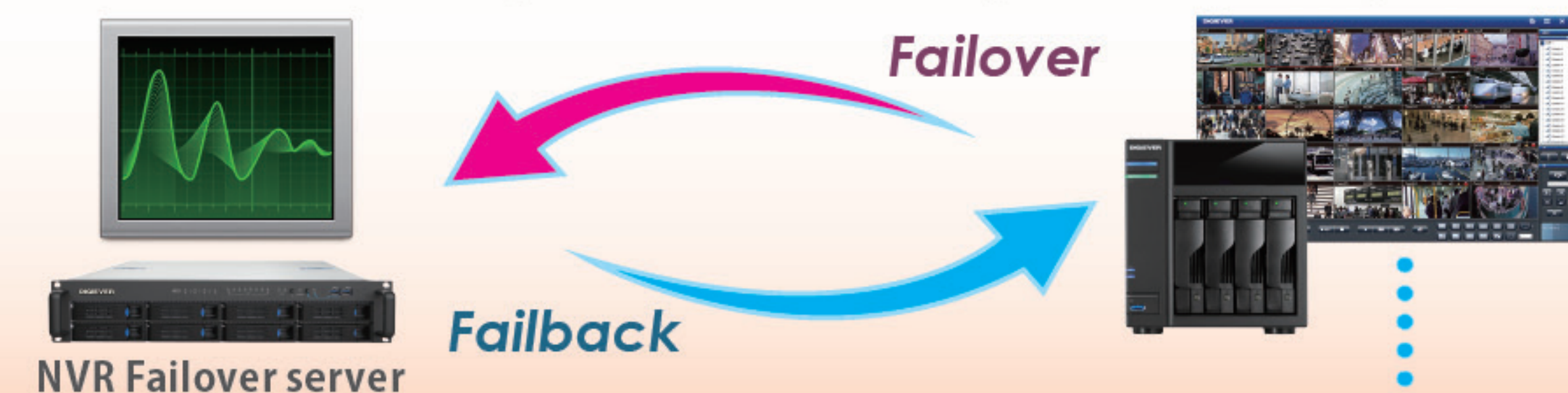
## iSCSI Server

- N+M storage expansion architecture
- One iSCSI server supports up to 3 NVRs
- Directly playback its video on DIGIEVER NVR



## NVR Failover Server

- Check NVR and HDD status every minute
- Monitor up to 4 NVR recording servers in default (Option up to 16 NVRs)
- Failover: Take over failed NVR for monitor and recording
- Failback: NVR restores its original video recording and monitoring function



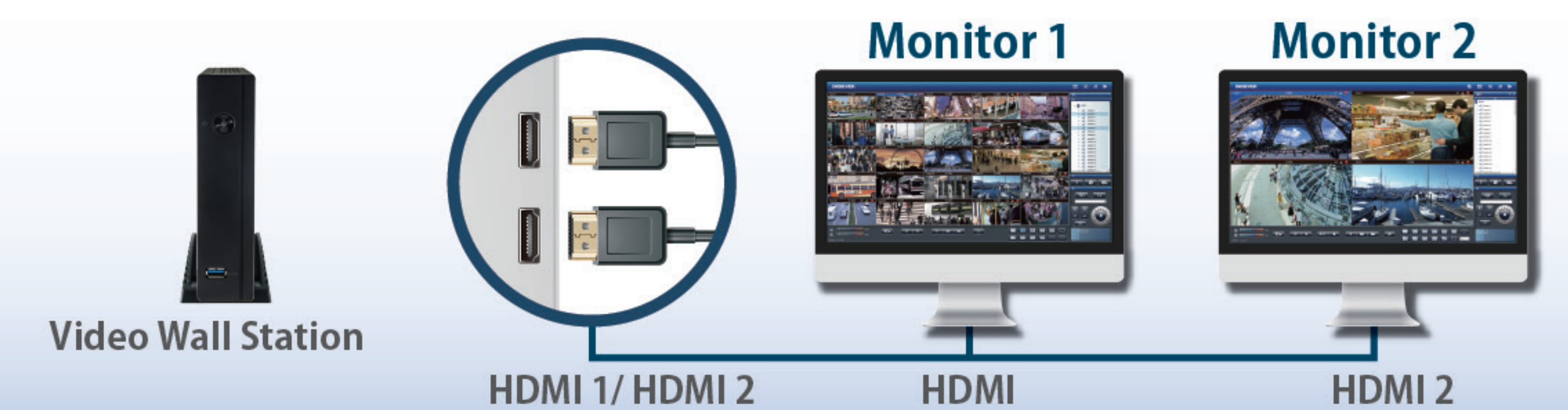
## CMS / Video Wall

- Up to 1024 channels via CMS-Client
- Up to 144 channels per monitor via CMS-Matrix
- 5 levels of user privilege management to set up security for users in a variety of ways



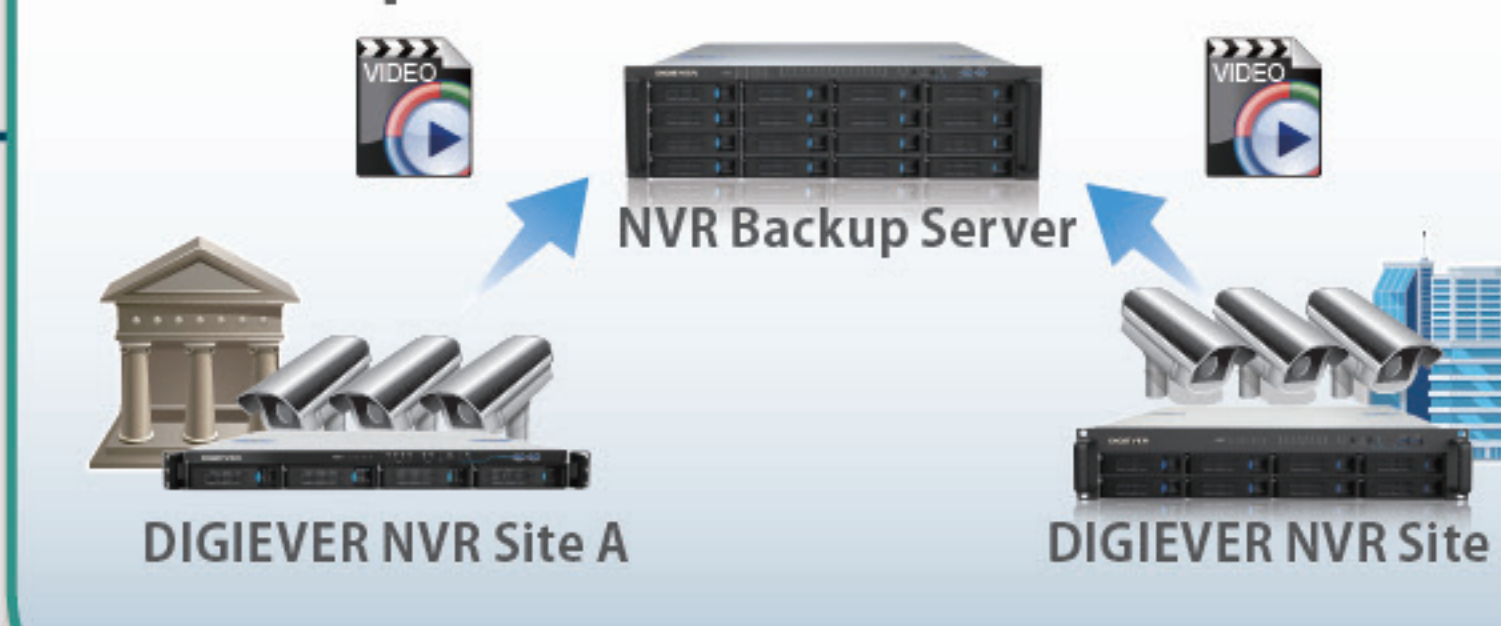
## Video Wall Station

- 4K UHD hardware decode performance
- Up to 64 channels local monitoring
- Dual display to monitor different liveview screens on two monitors



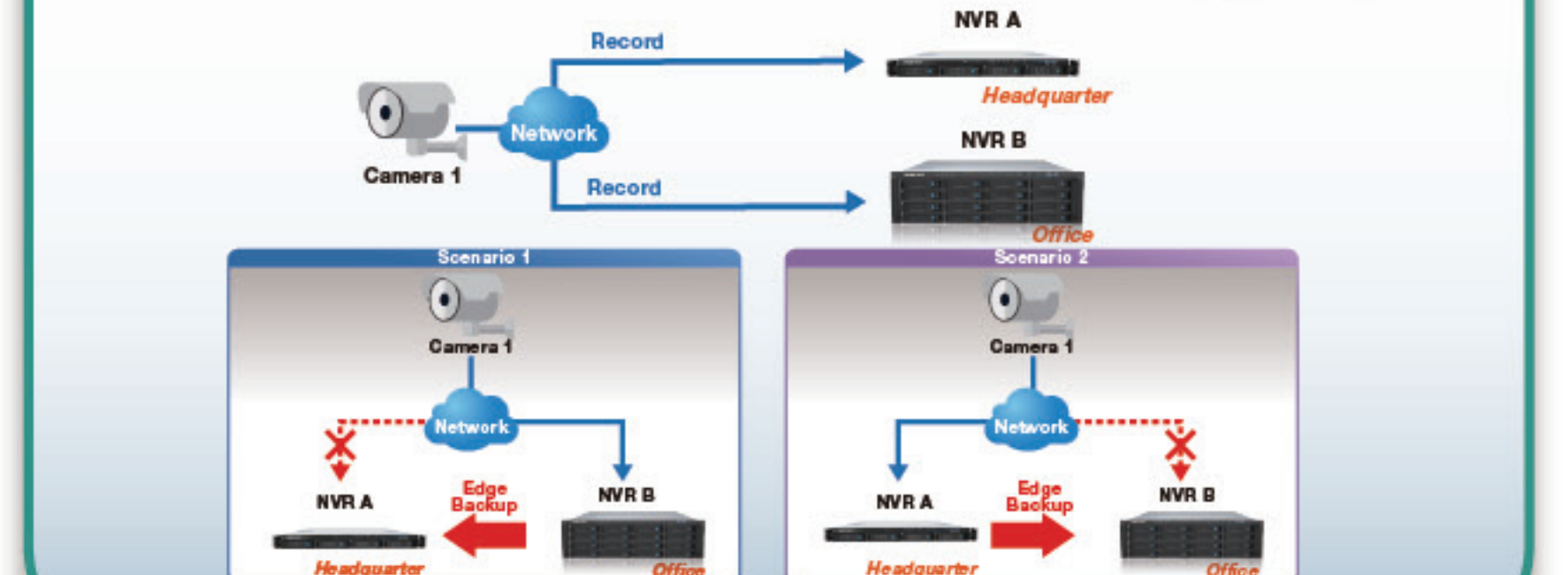
## NVR Backup Server

- Freely define the backup schedule of each camera
- Intuitively playback video on backup server



## NVR Edge Backup

- Simultaneous Recording & Mutual Backup Solution between 2 NVRs
- Ensure important camera videos are firmly saved in another NVR for future viewing purpose



## Remote Backup

- Backup important surveillance videos to NAS
- Detail backup history list for security control



## Built-in SNMP Server

- Central health monitor solution for DIGIEVER NVRs
- Easily get NVR status from two methods:
  - Actively read NVR status
  - Passively receive NVR important status (SNMP trap)

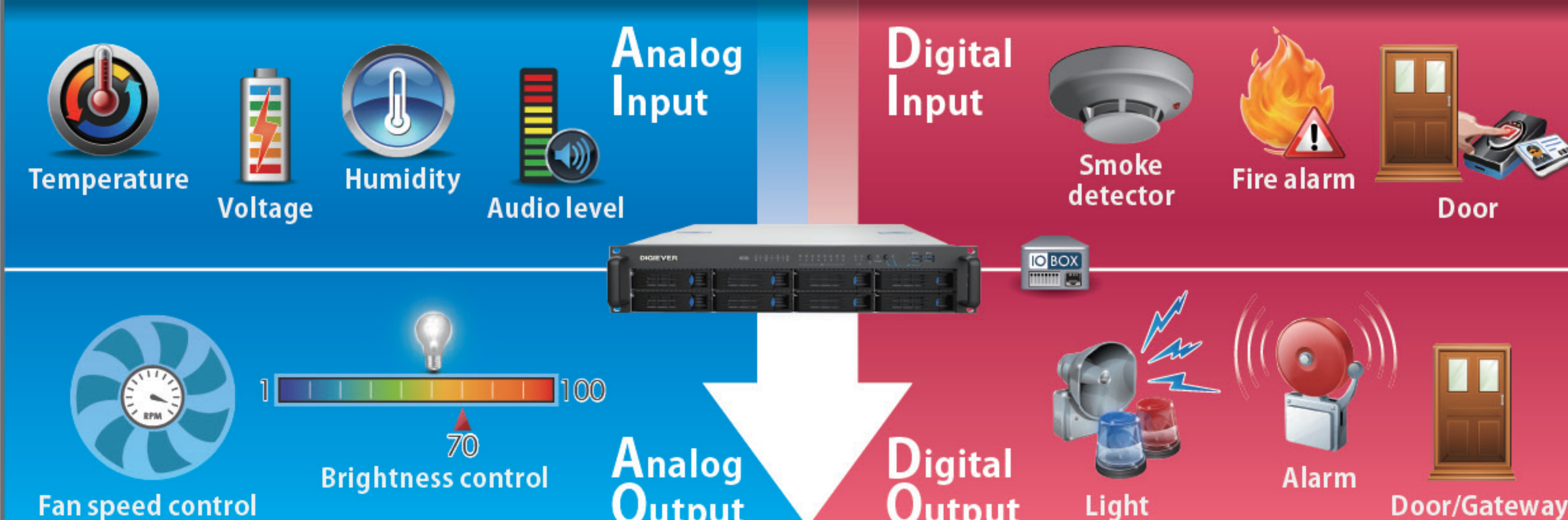


## Integrated IP Video Door Intercom Server

- Centrally control multiple sites of door stations
- Always recording: Record the video captured from door station
- Event recording: Record when someone press call button



## Integrated Modbus A/IO-D/IO Box Server



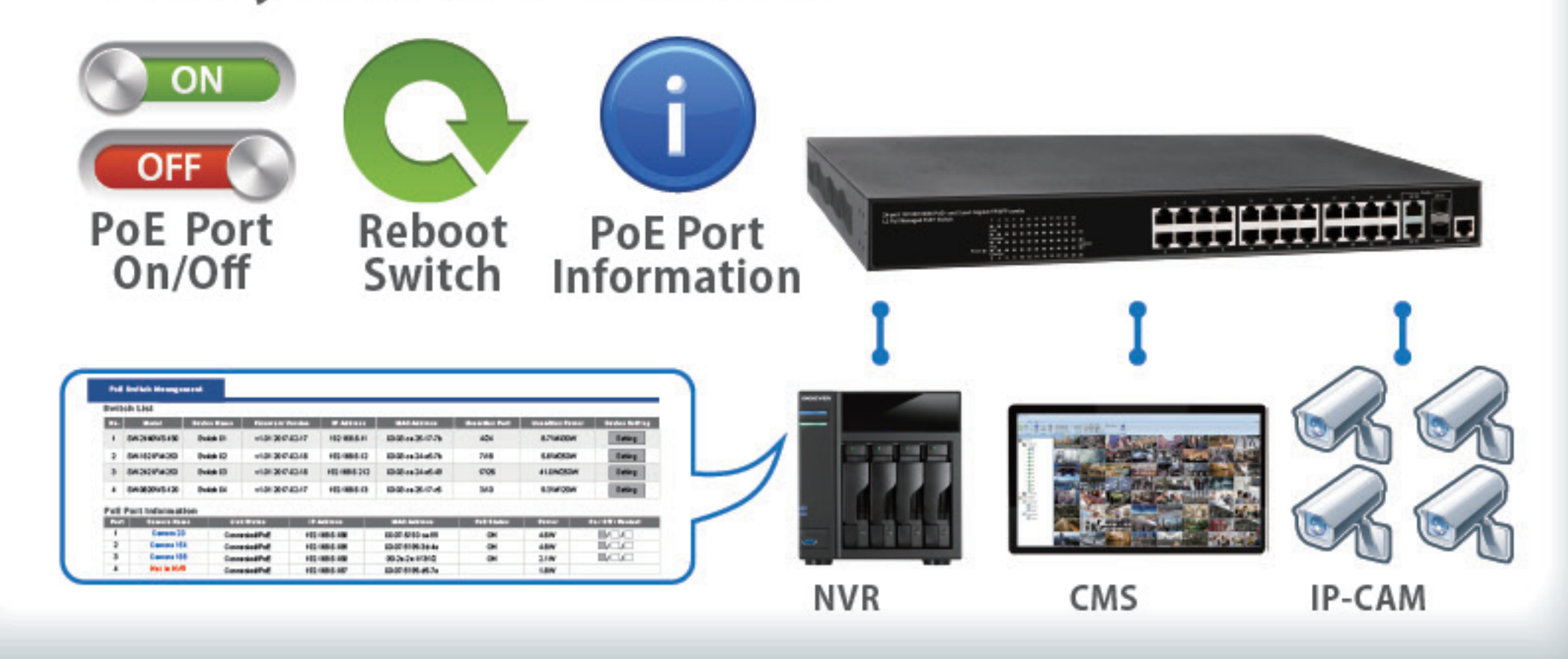
## Integrated Access Control Server

- Control up to 4 access control devices in default (Option up to 16 devices)
- Centrally manage card information
- Quick data filter and export access log from card reader



## Central PoE Switch Management

- Complete PoE port information
- Easily restart IP cameras





# DG-Decode

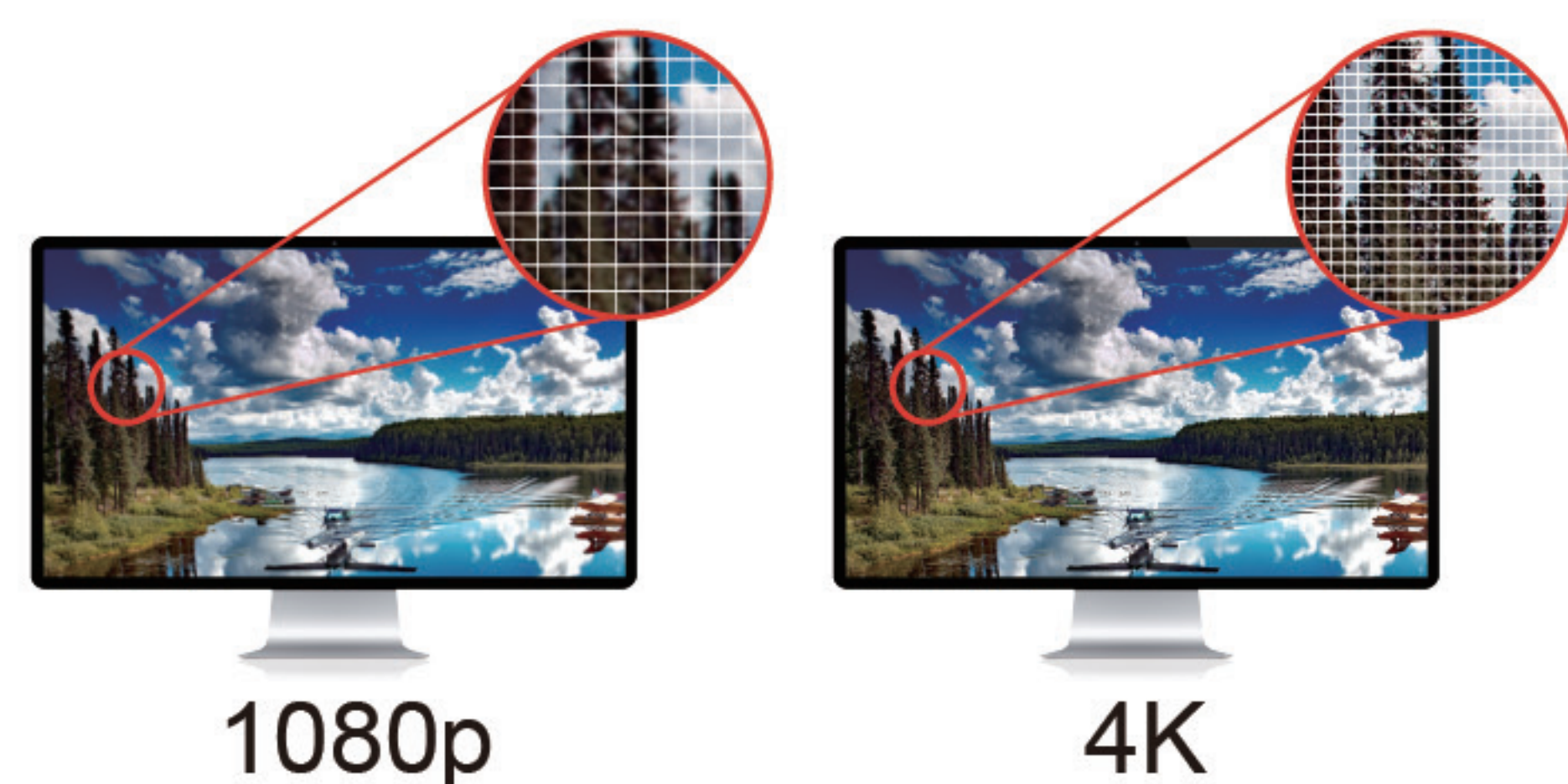
Powered by Intel GPU technology, DIGIEVER develops an advanced H.265 and H.264 hardware accelerated video decoding technology, named DG-Decode, to provide an ideal surveillance solution for real-time monitoring and video playback. DG-Decode is applied on DIGIEVER product line with liveview and playback functions, including DIGIEVER NVR, DIGIEVER CMS, Failover Server, Backup Server, Video Wall Station, Streaming Server, etc.

## Real-world Video Clarity

[View More Details to Monitor Wixxder Area](#)

DG-Decode helps you to experience real-world video clarity by decoding up to 4K UHD resolution with no distortion that delivers clear images and outstanding color.

- Beautifully convert the compressed digital videos from H.265, H.264 video format
- Perform accurate detail to zoom
- Better identification of suspects and criminals
- Reduce the number of cameras to cover an area
- Decrease operational costs

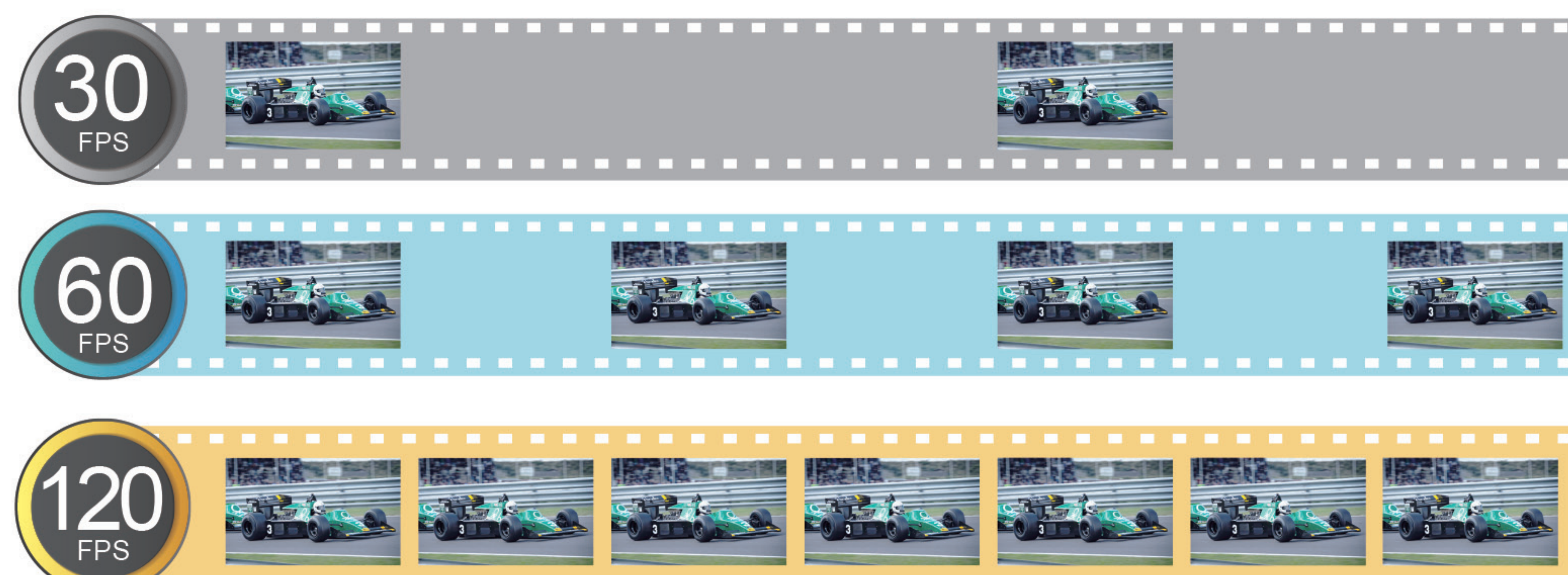


## Remarkable Display Ability

[Capture Each Moment for Identification](#)

DG-Decode can decode up to 120 FPS video captured by cameras allowing you to easily identify rapid and continuous moving objects for applications like casino, airport, city surveillance and traffic monitoring.

- Accurately decode each frame of video to check speedy object and movement  
Eg. Vehicle's number plates, denomination of currency
- Fluent video playback for fast-moving objects by frame by frame playback  
Eg. Image of individual's face, any slight of hand actions



# DG DECODE

**DIGIEVER Hardware Decode Technology  
for H.265 and H.264 Camera Solution**

## 64CH

*The World's 1st*

**64ch Real-time Local Display**

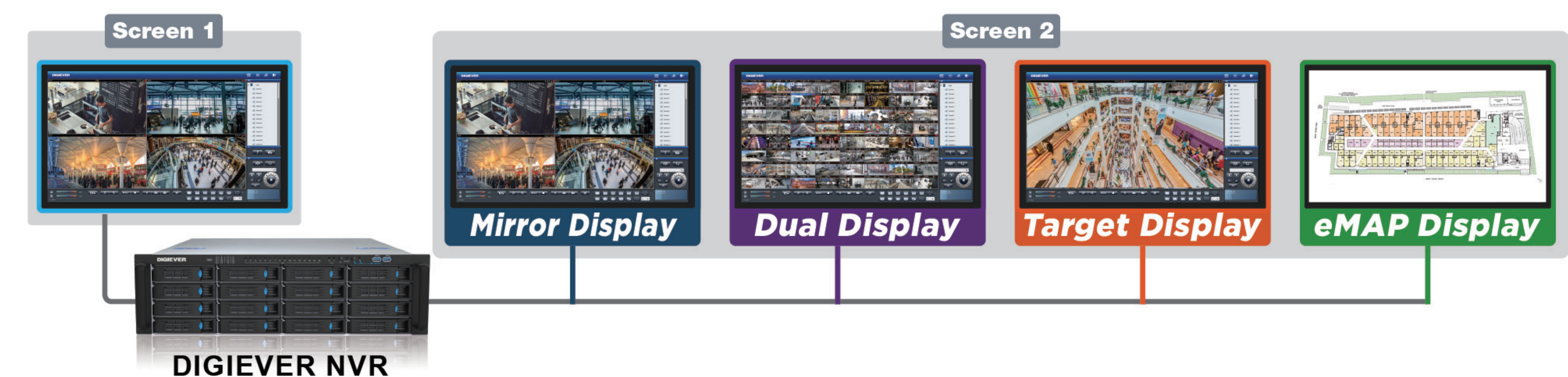


## 64ch Real-time Local Display

[Real-time Monitoring to Detect and Response Threats](#)

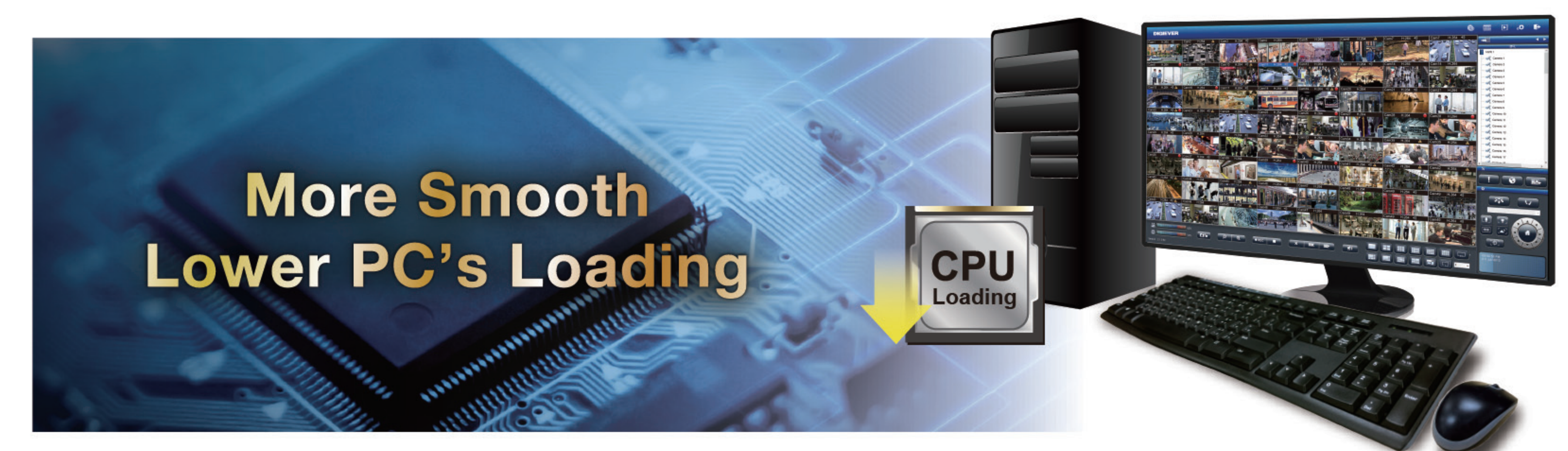
DG-Decode, implanted in Linux-embedded DIGIEVER systems, gives you a clear overview of all videos on a single page. Via HDMI connector, you can have up to 64 channels real-time video monitoring to monitor your region.

- Cost-effective Linux-embedded PC-less solution
- Simultaneously display real-time streaming from 64 cameras
- Continuously keep your eyes on your areas to detect and respond to threats
- Reduce the potential losses caused from the interval of sequential monitoring



## Smooth Remote Monitoring

[Smoothly Remote Monitoring Anytime, Anywhere](#)





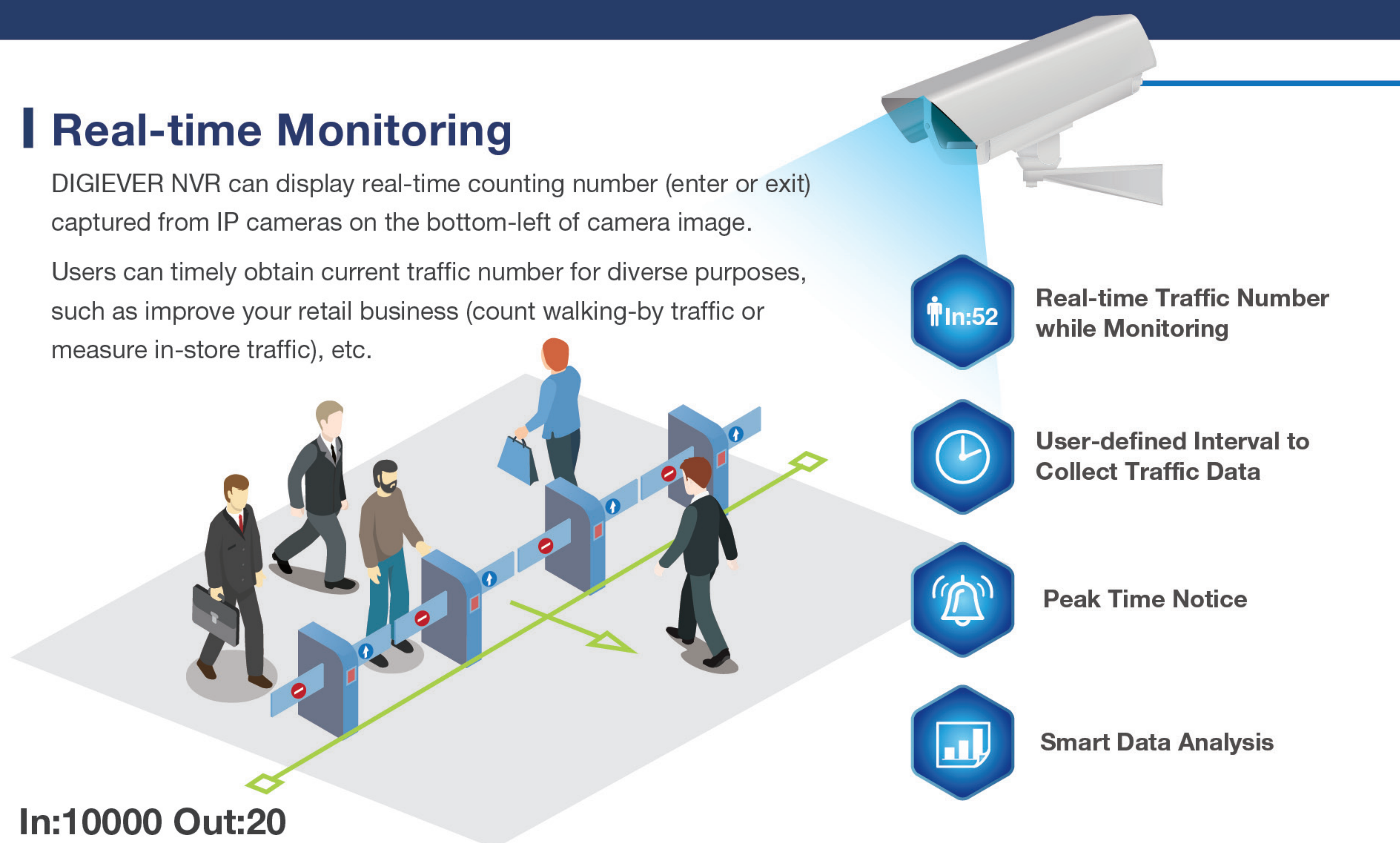
# People Counting Solution with DIGIEVER NVR

Reliable and cost-efficient Linux-embedded IP video solution to optimize business and improve operation management

## Real-time Monitoring

DIGIEVER NVR can display real-time counting number (enter or exit) captured from IP cameras on the bottom-left of camera image.

Users can timely obtain current traffic number for diverse purposes, such as improve your retail business (count walking-by traffic or measure in-store traffic), etc.



## Peak Time Notice

DIGIEVER NVR can notify users of peak sales time by setting up people counting threshold notice.

Users can also trace the peak time record with accurate time, snapshot, video clip stored in NVR to adjust marketing strategy or store staff planning.

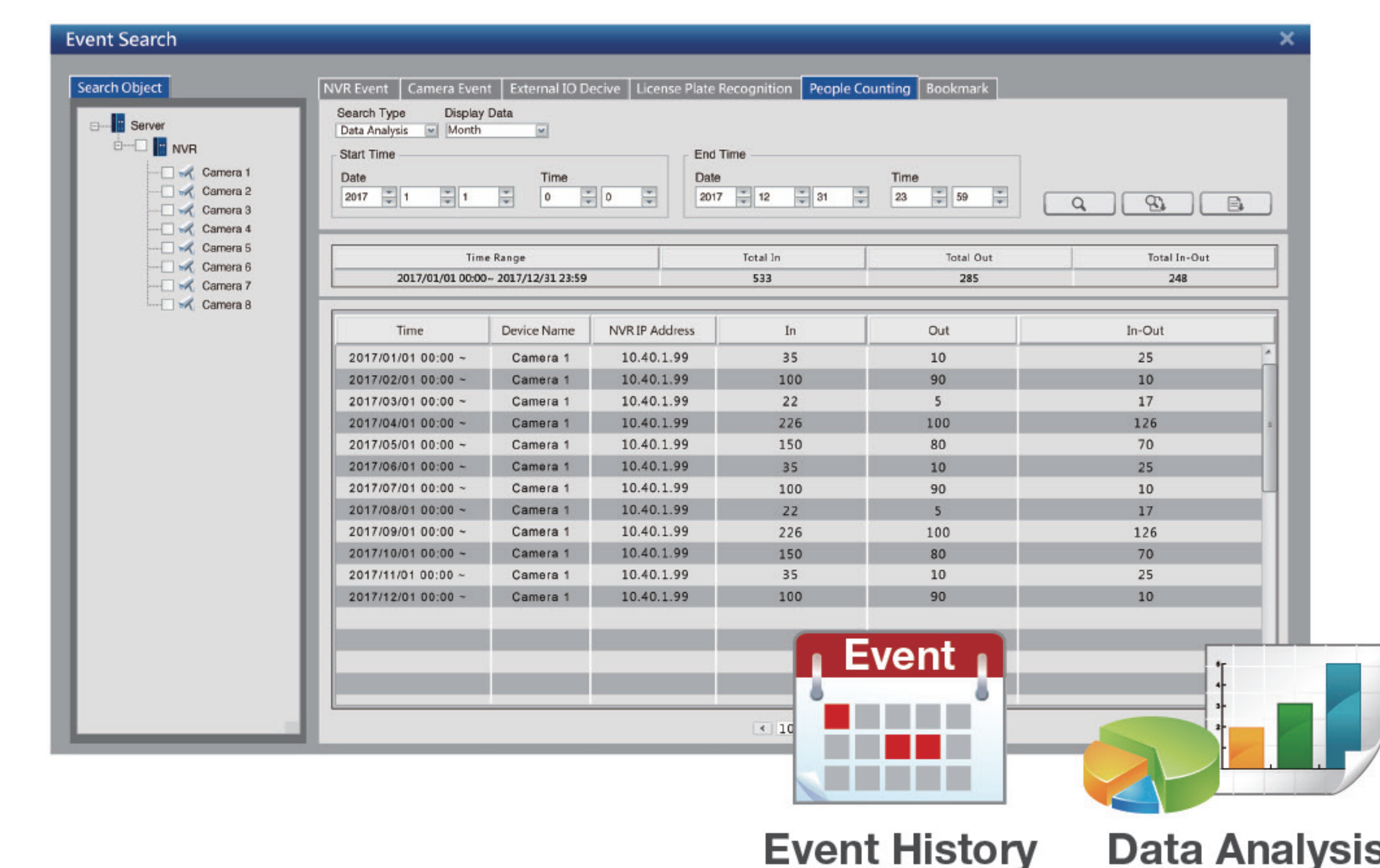


DIGIEVER NVR

## Smart Data Analysis

DIGIEVER NVR features data search allowing users to retrieve event history or to use data analysis for the entrance (one camera) or whole area (total cameras).

Users can export all data stored in DIGIEVER, including original data, analysis data and event data with snapshot or video clip.



## Popular Applications

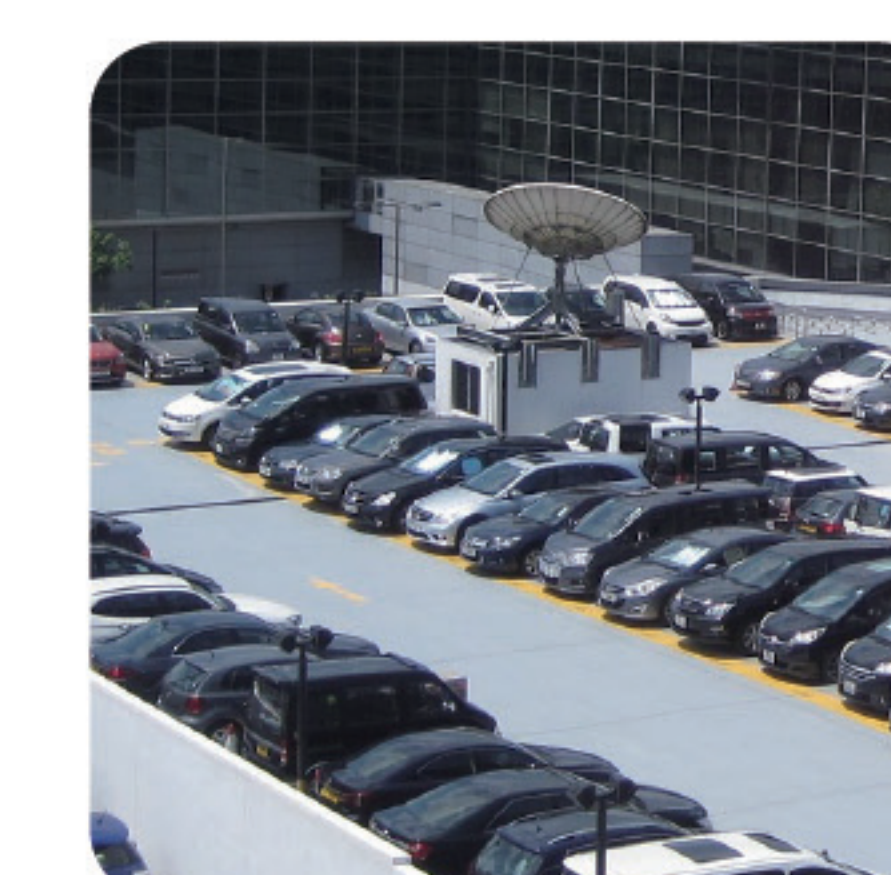
DIGIEVER NVR provides a smart people counting platform solution with four main benefits that can satisfy different vertical markets and needs:

Benefit1: Maximize revenue and ensure safety

Benefit2: Easily build up database

Benefit3: Improve sales performance and operation management

Benefit4: Make data more valuable for different purposes



Parking Lot



Shopping Mall



Exhibition Hall



Restaurant



Mobile Vehicle

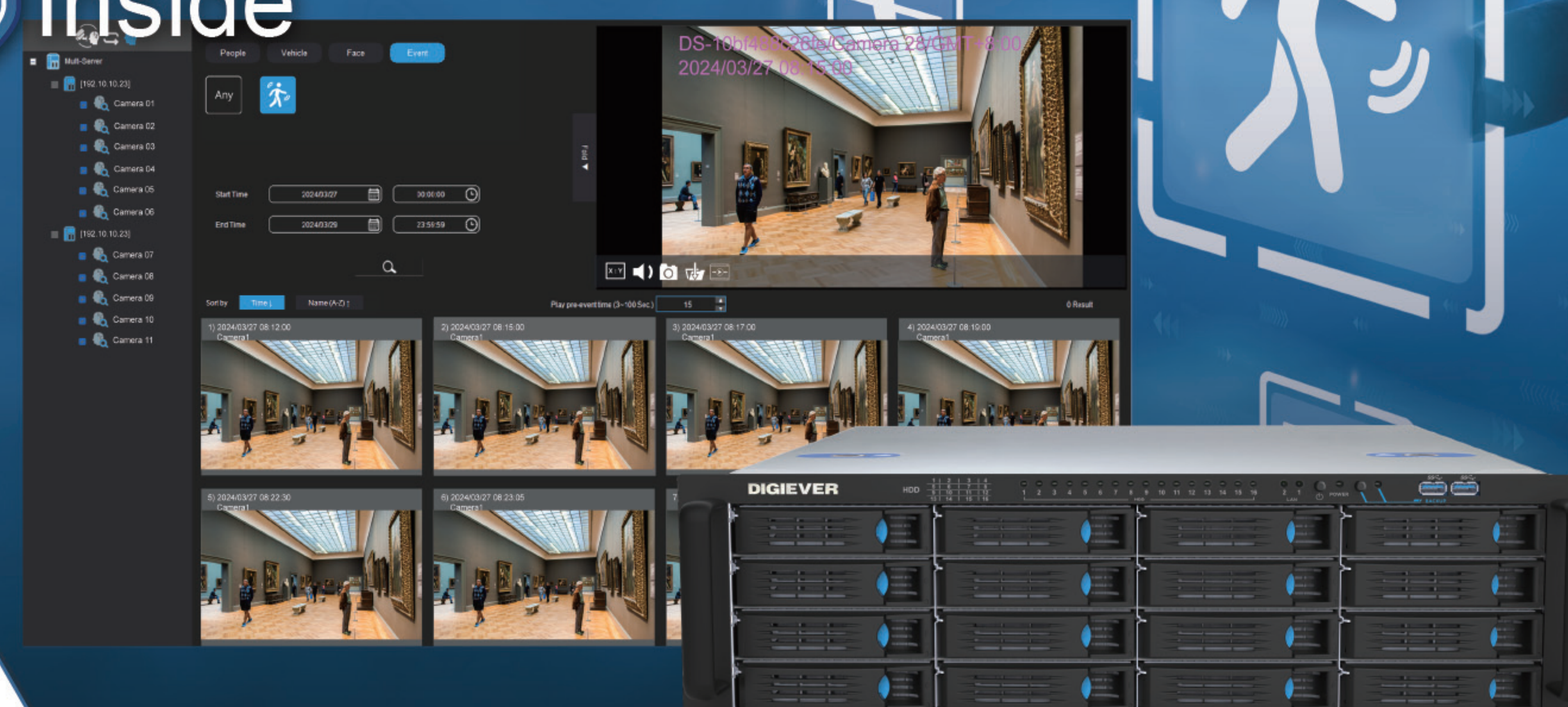


# NVR AI Solution: AI Search on Playback (Metadata & AI-event)

An efficient and comprehensive AI video search solution with robust event notifications, saving time and labor costs.



Solution  
Inside



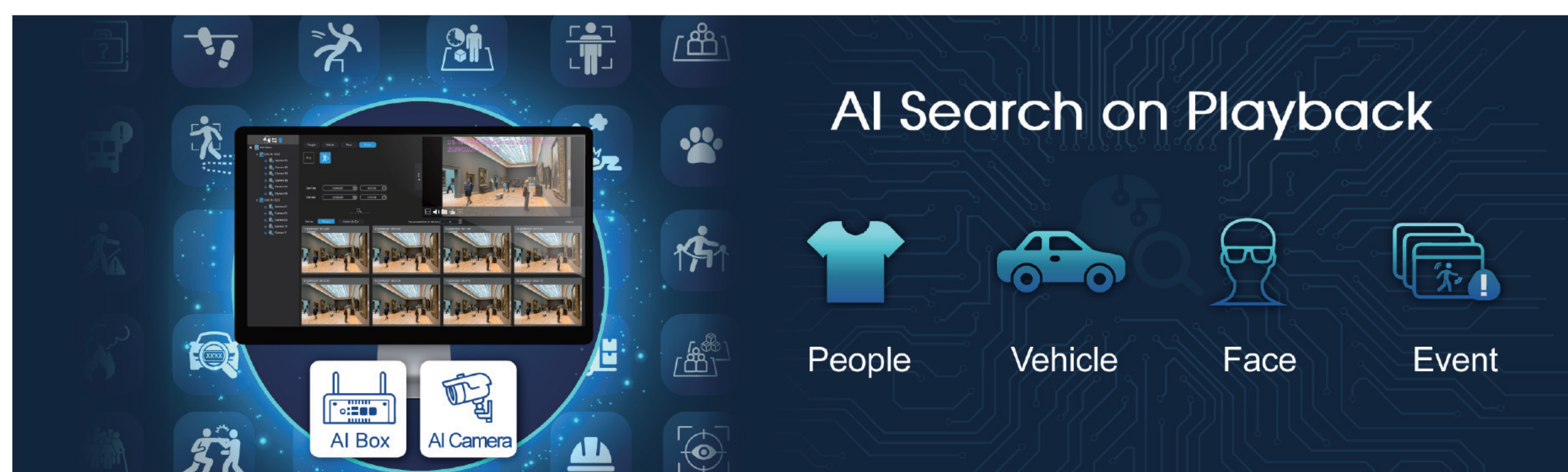
## Efficiently gathers metadata from Integrated AI cameras

### 4 Key Attributes

1. People: Top, bottom, cap, bag
2. Vehicle: Car, truck, bus, motorcycle, bike, train
3. Face: Gender, age, mask, headwear, glasses
4. Event: Versatile event options

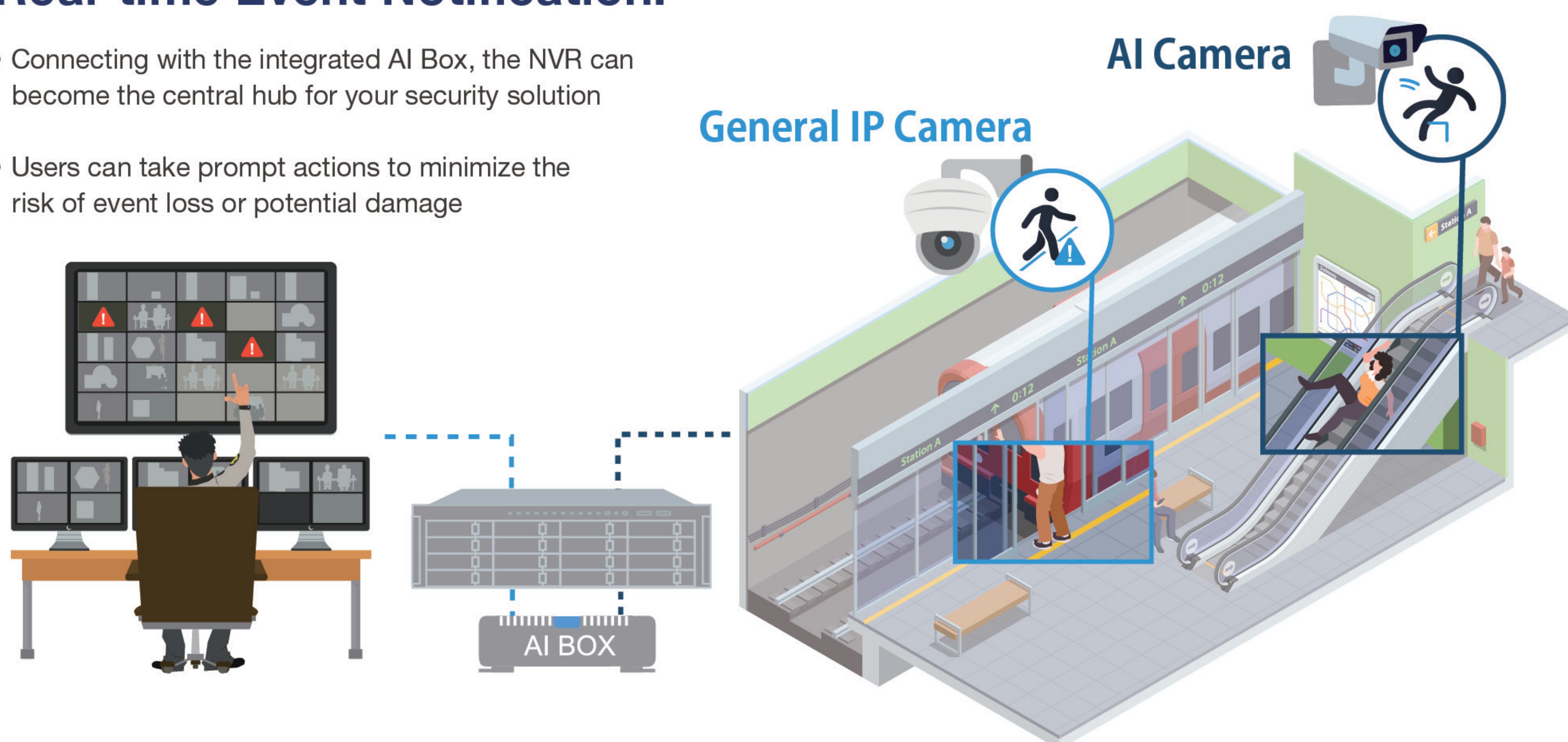
### Various Criteria

1. Color
2. Top/Bottom: Short, middle, long
3. Gender: Male, female
4. Age: Young, adult, middle, senior



## Real-time Event Notification:

- Connecting with the integrated AI Box, the NVR can become the central hub for your security solution
- Users can take prompt actions to minimize the risk of event loss or potential damage



## Benefits of AI Search



### Swift Search & Time-saving

- Swiftly find key objects based on various attributes & criteria



### Smooth Search Flow

- User-friendly icon and text tip designs
- Streamline search process with no learning curve



### Extensive Integration Capability

- Seamlessly integrates with leading AI camera brands such as AXIS, Hanwha, and VIVOTEK, with ongoing integration support for other brands and models.



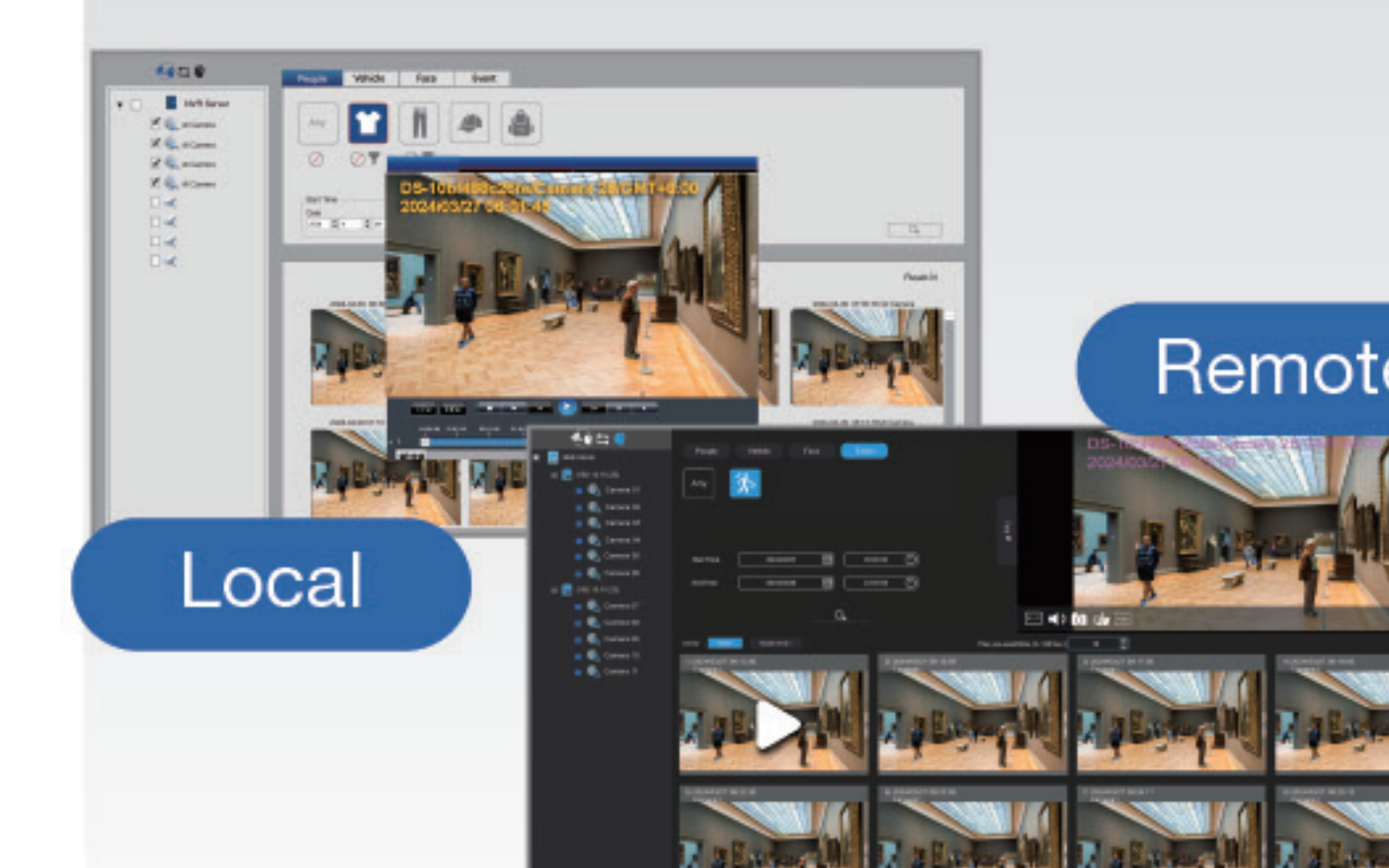
### Speedy Results Listing

- Efficiently list results from vast metadata
- Display tooltips of metadata information for each result
- Smart sorting by time & name



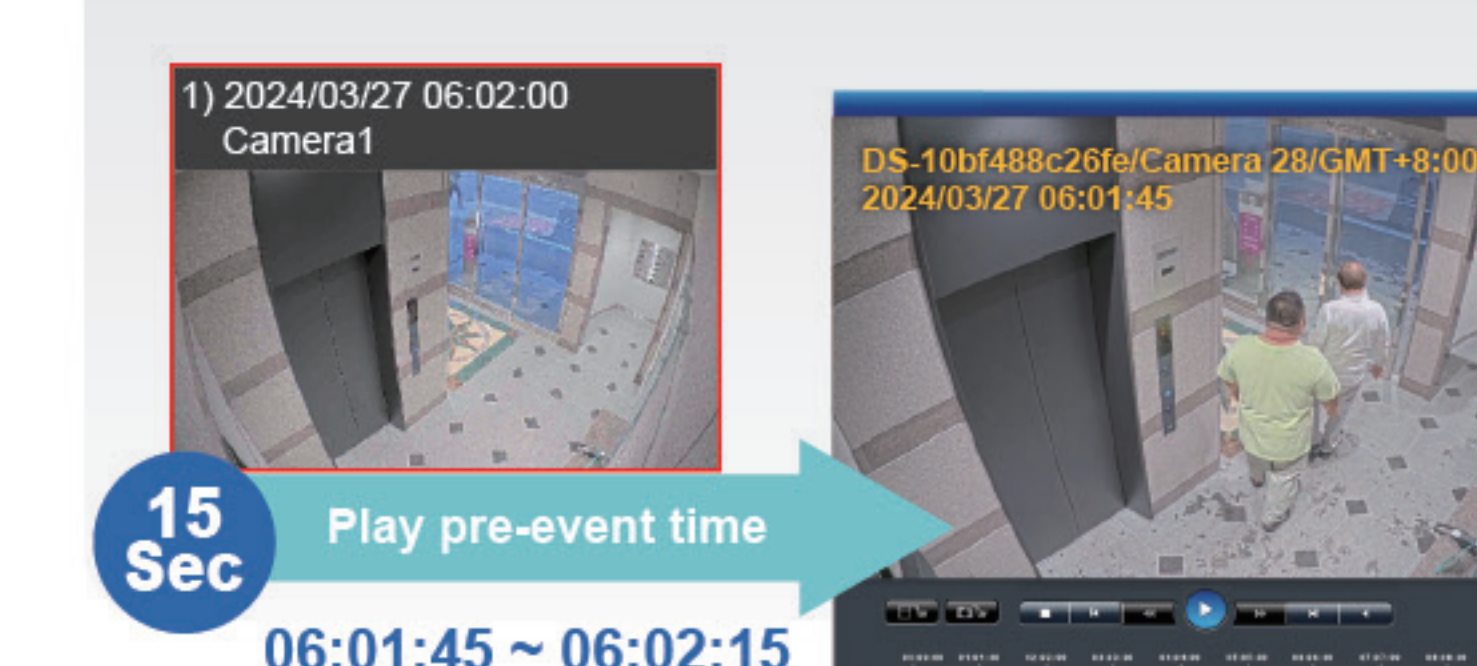
### One-click Playback

- Intuitive playback UI design
- Effortless operations with a simple click



### Flexible Pre-event Time Setup

- Effectively track events
- Customizable pre-event and post-event viewing times (3~100 seconds)





# Automatic Number Plate Recognition Solution(ANPR/LPR)

Reliable and cost-efficient Linux-embedded IP video solution to maximize revenue and ensure safety

## Feature Highlights

- Simple setup for 24/7 real-time monitoring & detection
- Self-defined detection area
- Instant snapshots & video recording
- Intelligent data search
- Exporting video clips, snapshots & list from search result
- Fuzzy search for incompleted vehicle number
- High compatibility with diverse cameras & brands
- Dedicated ANPR/LPR channel via license purchase
- Support DS-2200 UHD+ series & DS-4200 UHD+ series

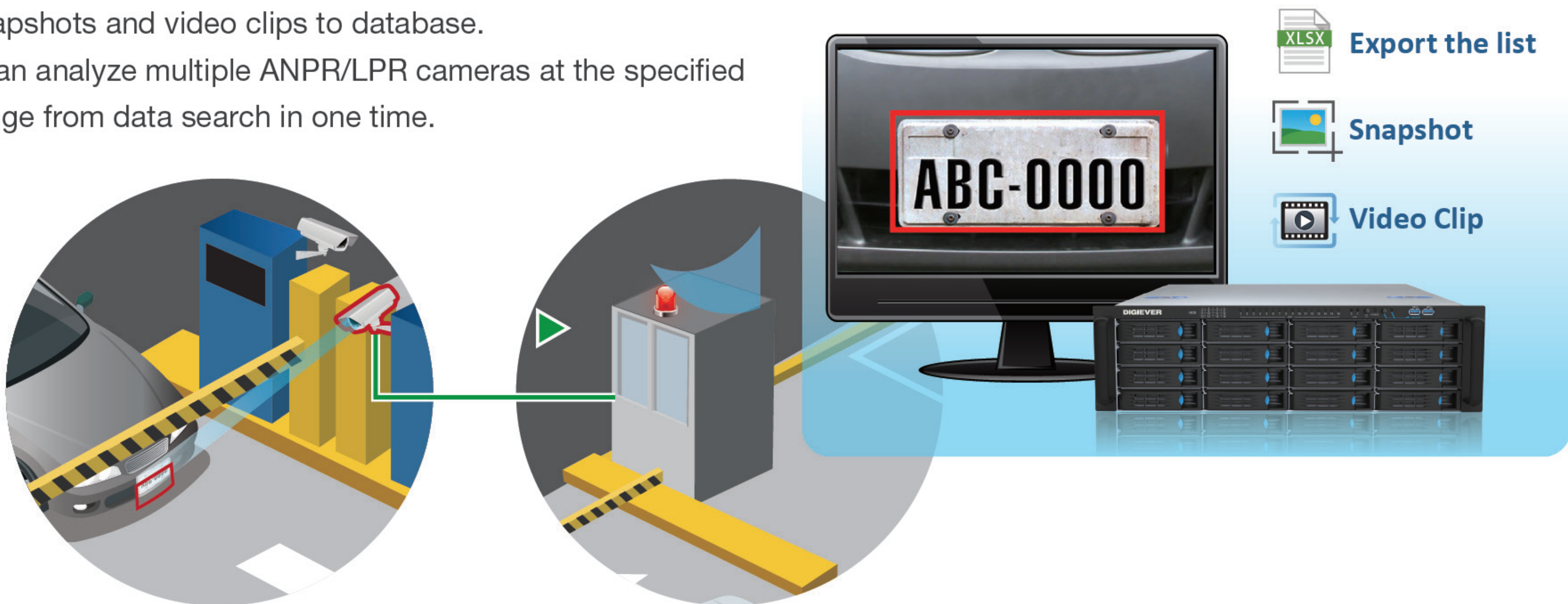
## 24/7 Real-time Monitoring & Detection

DIGIEVER NVR ANPR/LPR solution provides 24/7 real-time monitoring for traffic management and smartly detect car plate number from fast moving vehicles.



## Smart Analysis

When the car number plate is identified, the system will take snapshots and video clips to database. Users can analyze multiple ANPR/LPR cameras at the specified time range from data search in one time.



## Fuzzy Search for Car Plate Recognition

For vehicle tracking purpose, DIGIEVER NVR features data search allowing users to enter license plate number to quickly find its record, snapshot and video clips. Users can input any related digit for fuzzy search if partial car number is unknown.

Time	Device Name	NVR IP Address	Car Number	Snapshot	Video
2022-11-10 00:00:22	IDIS141	10.40.1.99	ABC0001		
2022-11-10 00:00:24	IDIS141	10.40.1.99	ABC0001		
2022-11-10 00:00:26	IDIS141	10.40.1.99	SDA0502		

## Benefits of DIGIEVER ANPR Solution

DIGIEVER ANPR/LPR solution is an ideal and smart solution for retail parks, supermarkets, private car parks and office access control as well as crime analysis for police application. It can brings 5 benefits as follows:

1. To capture high-speed images that provides greater security and accuracy than manual checks.
2. To reduce human errors through powerful data search function.
3. To provides the valuable information from historical data for future analysis or investigations.
4. To easily adopt any compatible camera from diverse brands (w/o LPR solution) for flexible integration.
5. To save personnel budget from eliminating a dedicated person on access control.





# DIGIEVER NVR Monitoring

All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

4K UHD  
H/W DECODE

4K UHD  
DISPLAY

H.265  
SUPPORT

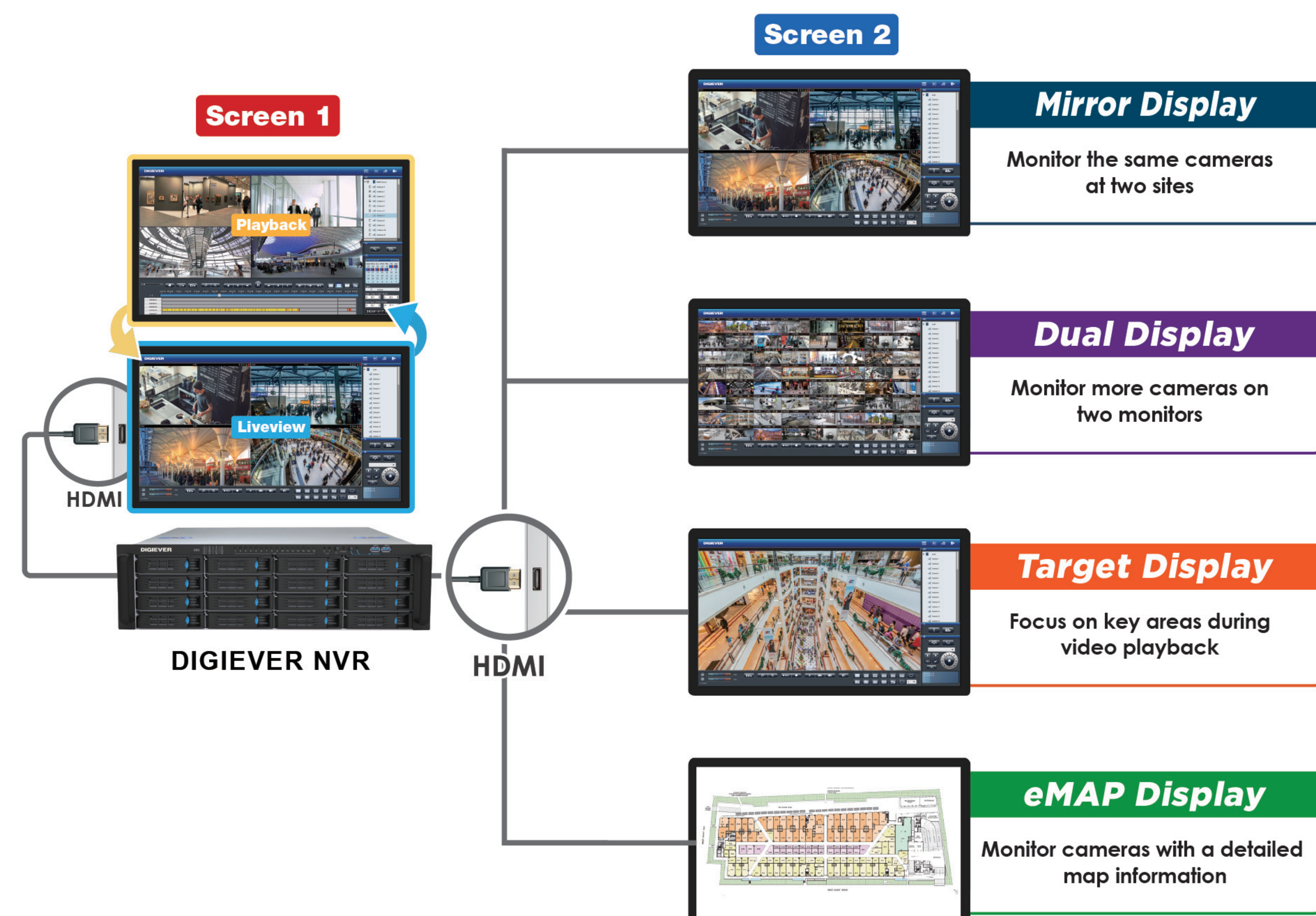
intel  
INSIDE

## Real-time Liveview Local Display

- 4K UHD hardware decode performance
- Support up to 12 megapixel IP cameras
- Display up to 64 channels real-time video per page
- Marvelous PC-less solution: 4 display modes
- Instant playback on liveview
- Smart dual stream auto switch
- Support DIGI-dewarp
- Fisheye IP camera dewarping
- Support 120 FPS camera recording and monitoring
- Two-way audio via USB type sound adapter

## Marvelous PC-less Solution

Via dual HDMI connectors, users can monitor two screens in 4 diverse display modes without installing extra PC. Users can swiftly build the monitor room to satisfy diverse surveillance requirements among mirror display, Dual display, Target display or eMap display.



## Real-time Remote Monitoring

- Mini-CMS server monitoring: Connect 512 channels
- Support 120 FPS camera recording and monitoring
- Built-in NVR relay server
- 5+1/12+1 Focus sequential display mode
- YouTube/ Facebook Live
- Multi-layer dynamic E-map (Pop-out event window, event log history, event instant playback)
- Support DIGI-dewarp
- Support Region of Interest (ROI)
- Instant playback on liveview
- Multi-window operation
- Remote monitor and playback via independent application on Window OS

## Mini-CMS Server Monitoring

Simultaneously live monitor other remote NVR sites with up to 512 channels.



## Powerful Focus Sequential Display

Enhance monitoring flexibility to cater to diverse business needs.





# DIGIEVER NVR Playback

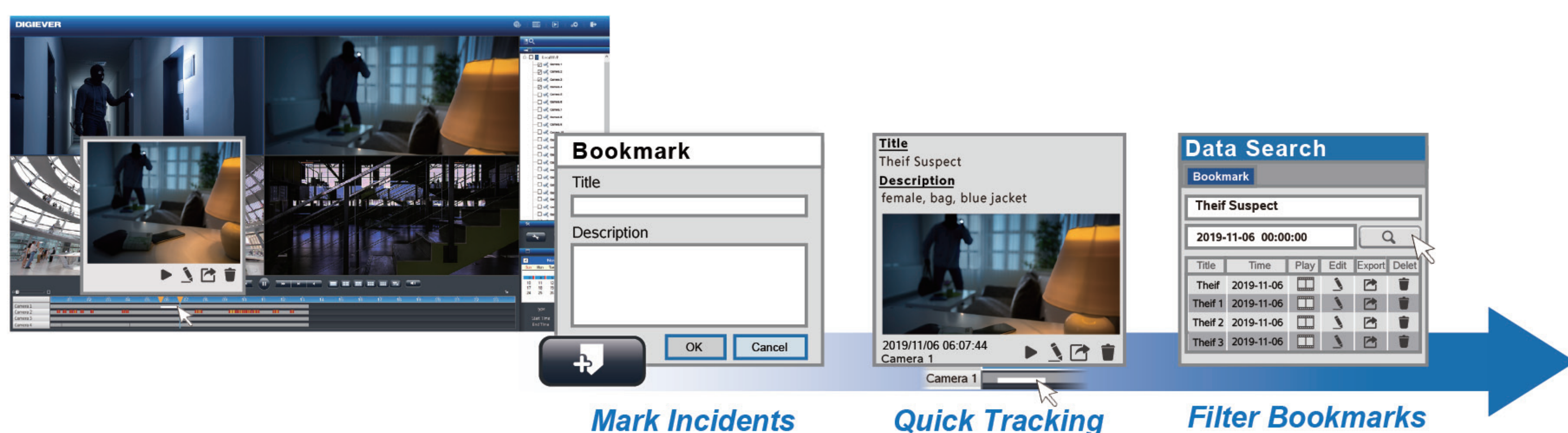
All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

## Intuitive Multi-channel Playback

- Maximum 16-channel simultaneous playback
- Multi-NVR playback
- Time-divided search
- Smart search to quickly find key video
- Playback speed control to shorten video tracking time
- Export with OSD files and playback via 3<sup>rd</sup> party media players
- Add watermark for video export
- Digital watermark check via NVRCheck

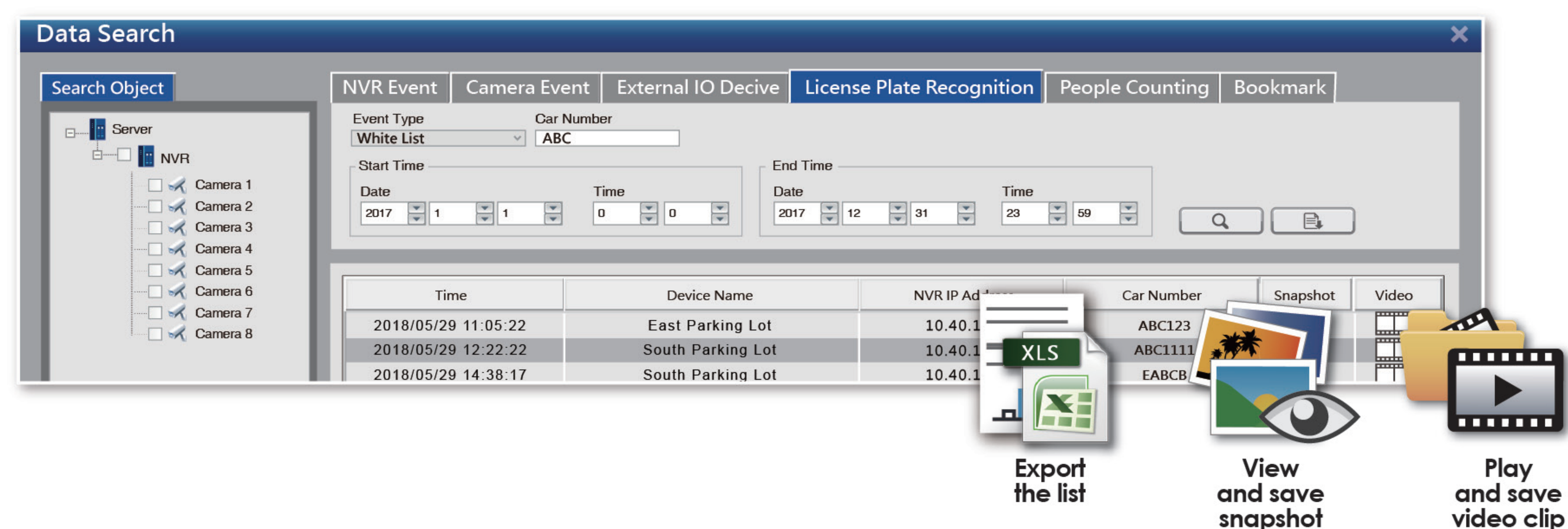
## Bookmark

Users can mark user-created events on a specific camera for a quick tracking during video playback.



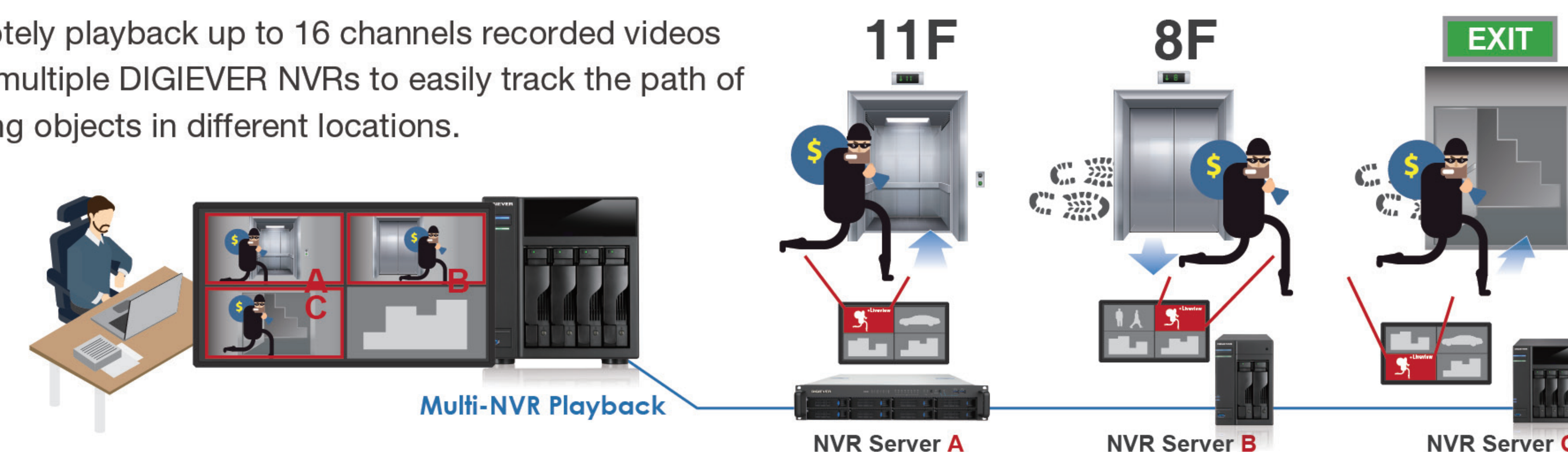
## Data Search

Quickly find out key event information of six main categories and metadata from multiple DIGIEVER NVRs.



## Multi-NVR Playback

Remotely playback up to 16 channels recorded videos from multiple DIGIEVER NVRs to easily track the path of moving objects in different locations.



## Smart Search

Without setup in advance, you can quickly find out key videos at the specific moment in five detection modes.



## Time-divided Search

Shorten searching time and quickly find out suspicious objects.

Based on display mode of 2x2, 3x3 or 3x4, DIGIEVER NVR will divide the specified video into many video clips, allowing users directly playback the video clips from search result. Once finding the key moment, users can export the video clip or snapshot taken from any moments of the video clips to their computer.

\*Note: 1, In 3x4 display mode (12-screen), it only takes 4 times of time-divided search for one day. 2. Retrieve up to consecutive 3-day time range for time-divided search 3. the first 5 minutes of each specified video will be exported.





# DIGIEVER NVR

All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

## Flexible Video Recording

- Up to 12 megapixel recording resolution
- Various recording modes
- Camera group recording
- Support ONVIF, generic RTSP & MJPEG to connect IP cameras
- Dual-stream recording: Recording in high resolution or lower resolution
- Diverse video compression formats: H.265, H.264, MPEG-4, MJPEG, MxPEG, Axis Zipstream

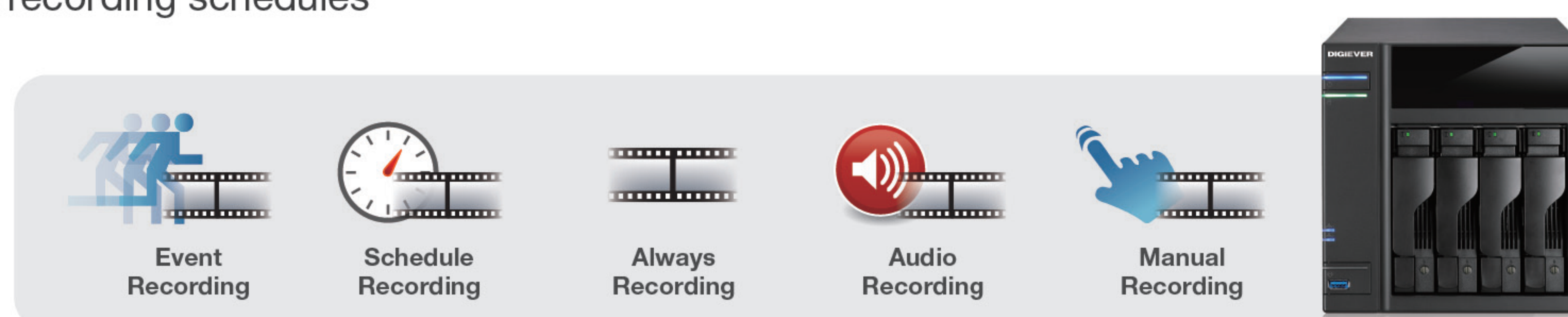
## Comprehensive Compatible Capability

Support hundreds of brands and thousands of cameras,  
ONVIF Profile G/S/T, Generic RTSP & MJPEG



## Various Recording Modes

Users can set different recording schedules  
for each camera



## Camera Group Recording

Assign video keeping days for each camera by categorizing cameras in groups to save videos based on its importance.

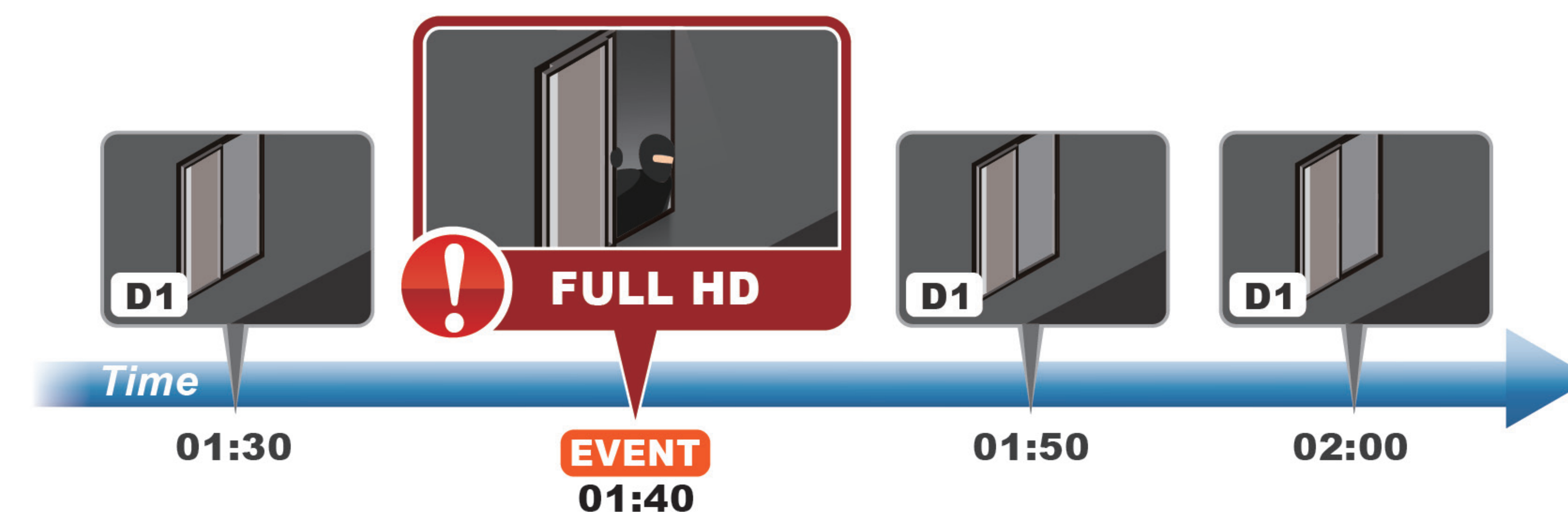


## Advanced Video Recording Feature

- Event smart recording
- Schedule snapshot
- Flexible video formats: Play in NVRPlayer or in common media players
- Smart threshold & auto recycle storage management
- Multi-RAID configuration for future HDD expansion purpose
- Support iSCSI initiator to expand storage space via iSCSI Server

## Event Smart Recording

Record event videos in high video quality when event is triggered; normal video will be recorded in lower video quality to keep videos for longer storage.



## Schedule Snapshot

Record videos and take snapshots simultaneously. Easily check automatic snapshots of all selected cameras and track the trends of projects with flexible setting lists.





# DIGIEVER NVR Recording

All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder


## Time-lapse Recording

### Effortless Evolution Captured & Playback Solution


DIGIEVER NVR supports time-lapse recording for numerous cameras with varying parameters, which automatically captures a series of photos and transforms these sequences into a cohesive video.




### Benefits of DIGIEVER Time-lapse Recording




**Time-saving playback**  
Quickly gain a comprehensive overview of the project from extensive recording durations in a short time.




**High camera compatibility**  
Support a diverse range of brands and camera models, allowing users to leverage their existing camera infrastructure without the need for additional specialized time-lapse camera purchases.



**Storage Capacity Optimization**  
Generate smaller file sizes compared to normal recordings, optimizing storage utilization and extending the availability of storage capacity.



**Simplified setup process**  
Easily define the parameters of time-lapse recordings through an intuitive interface, making a hassle-free experience of all levels of users.



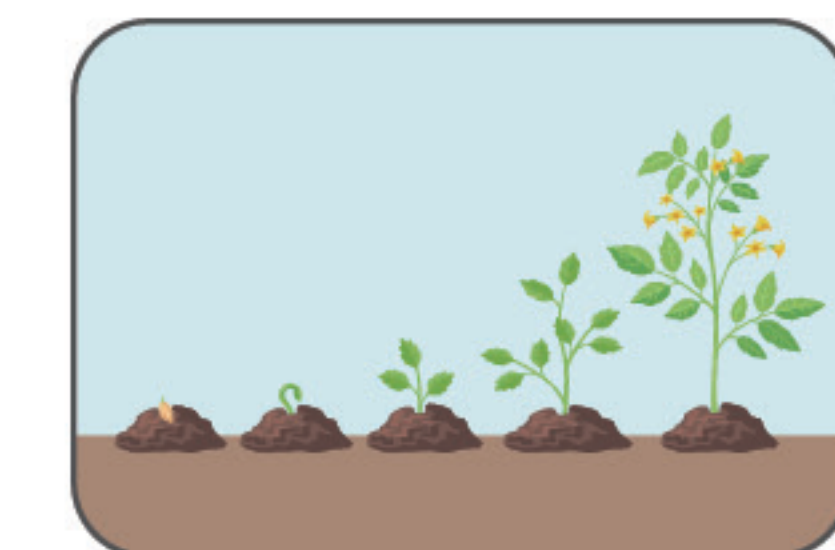
**Export & portability**  
Intuitively export video when required, playing back the video by using common media player like VLC.

### Intuitive Settings

- Methods of Capture Plans**  
Users can flexibly set preferable capture plan based on specific project requirements and scenarios
  - Recording duration: For known duration project such as construction progress
  - Capture Interval: For known capture scenarios such as taking shots for plant growth, and evolution of traffic



Construction

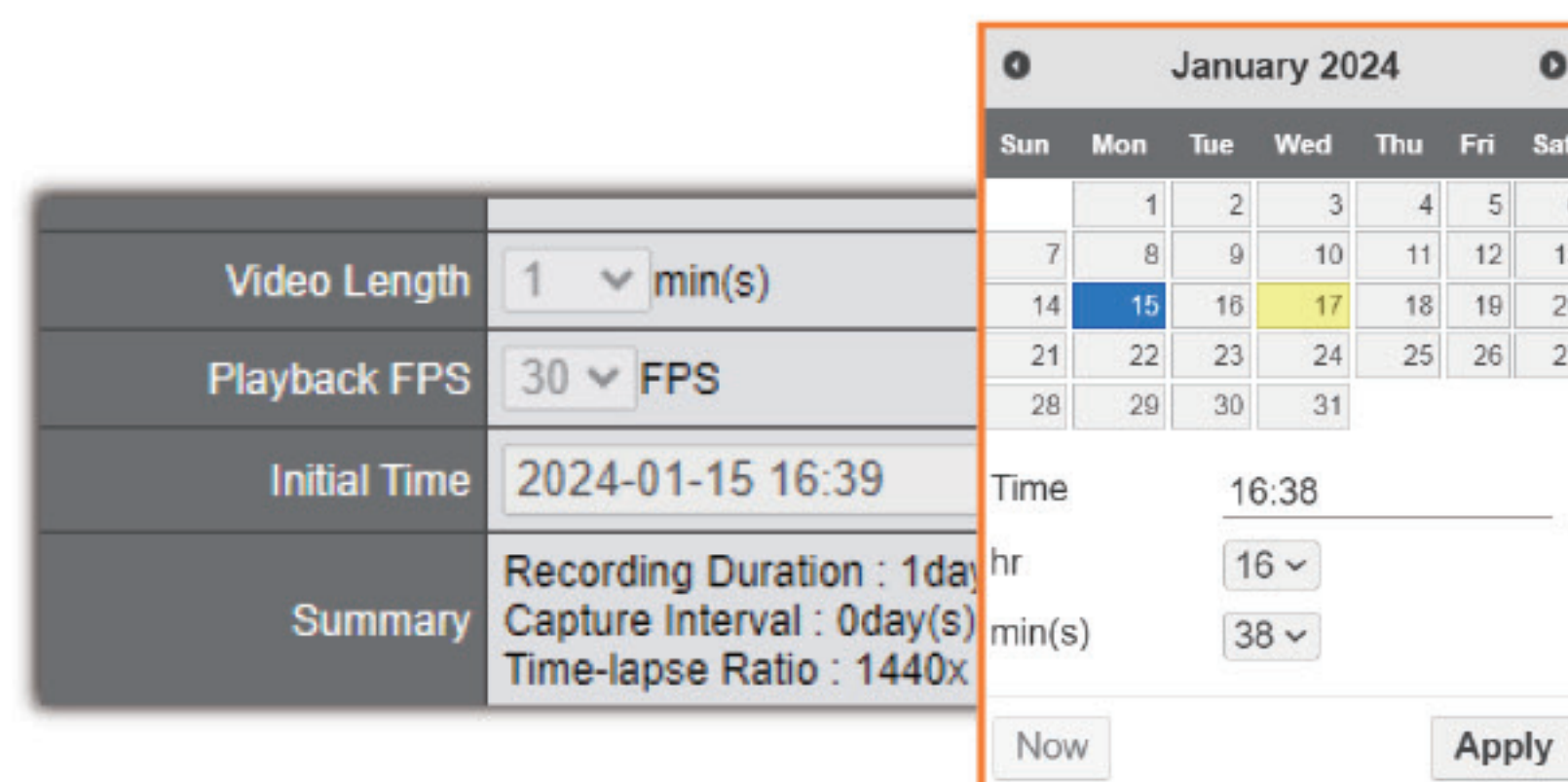


Plant growth



Traffic status

- Initial Time**  
Define the time when to start time-lapse recording in advance, saving labor-cost
- Parameter Summary with Auto-Calculated Time-lapse Ratio**  
a complete overview to check and identify if the setting is valid or not (30x~86400x)



Video length

**1 Recording Duration**

Summary  
Recording Duration : 1day(s) 0hr(s) 0min(s)  
Capture Interval : 0day(s) 0hr(s) 0min(s) 48sec(s)  
Time-lapse Ratio : 1440x

**2 Capture interval**

Summary  
Recording Duration : 1day(s) 0hr(s) 0min(s)  
Capture Interval : 0day(s) 0hr(s) 0min(s) 48sec(s)  
Time-lapse Ratio : 1440x

### Simplified Management via Camera List

- Easily review the configured settings and monitor the recording status
- Flexibly disable time-lapse recording on a specific camera when it's not needed
- Freely reactivate the camera with the same setting in the future

Camera List						Re-apply
No.	Camera Name	Status	Initial Time	Ongoing Recording Range	Video Length	Enable All
1	Camera 1	Enable	2023-12-22 10:00	2023-01-01 1:00~2023-01-31 23:59	10 minutes	<input type="checkbox"/>
2	Camera 2	Enable	2023-12-22 10:00	2023-01-01 1:00~2023-01-31 23:59	10 minutes	<input type="checkbox"/>
3	Camera 3	Disable	2023-12-22 10:00	2023-01-01 1:00~2023-01-31 23:59	5 minutes	<input type="checkbox"/>
4	Camera 4	Enable	2023-12-22 10:00	2024-01-01 1:00~2024-01-31 23:59	3 minutes	<input type="checkbox"/>
5	Camera 5	Enable	2023-12-22 10:00	2024-01-01 1:00~2024-01-31 23:59	10 minutes	<input type="checkbox"/>

### Multi-channel Playback

Users are able to retrieve video from multiple NVR for convenient review and future analysis. Supporting

- 1x, 2x, 4x fast-forward playback
- 1x, 1/2x 1/4x, 1/8x, 1/16x slow-motion playback
- Multi-channel video export for common media player playback (file format: AVI)





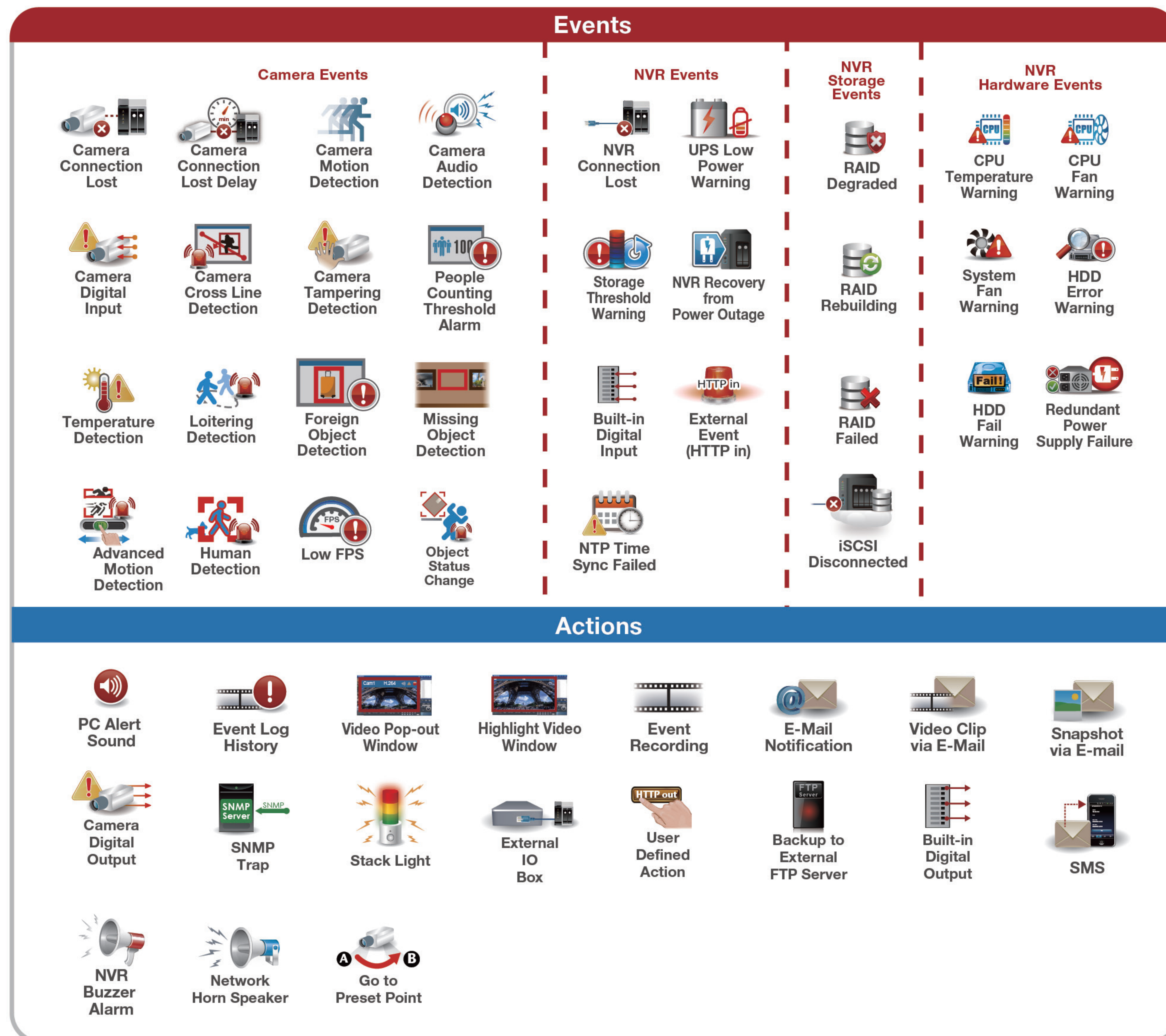
# DIGIEVER NVR

! Event Notification

All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

## Powerful Event and Action Management

- Up to 32 event types and 19 action types
- Four main event types for instant event notification
- Event search to explore event data in a smarter and more efficient way
- Chain event to reduce the rate of false alarm
- Event & action summary to quickly check configuration



## Chain Event

To ensure accuracy and satisfy different security needs, when all events are triggered within user-defined period of time (Expired Time), NVR will activate one or many actions.

### One event to trigger many actions



### Many events to trigger one action



### Many events to trigger many actions





# DIGIEVER NVR Video Backup

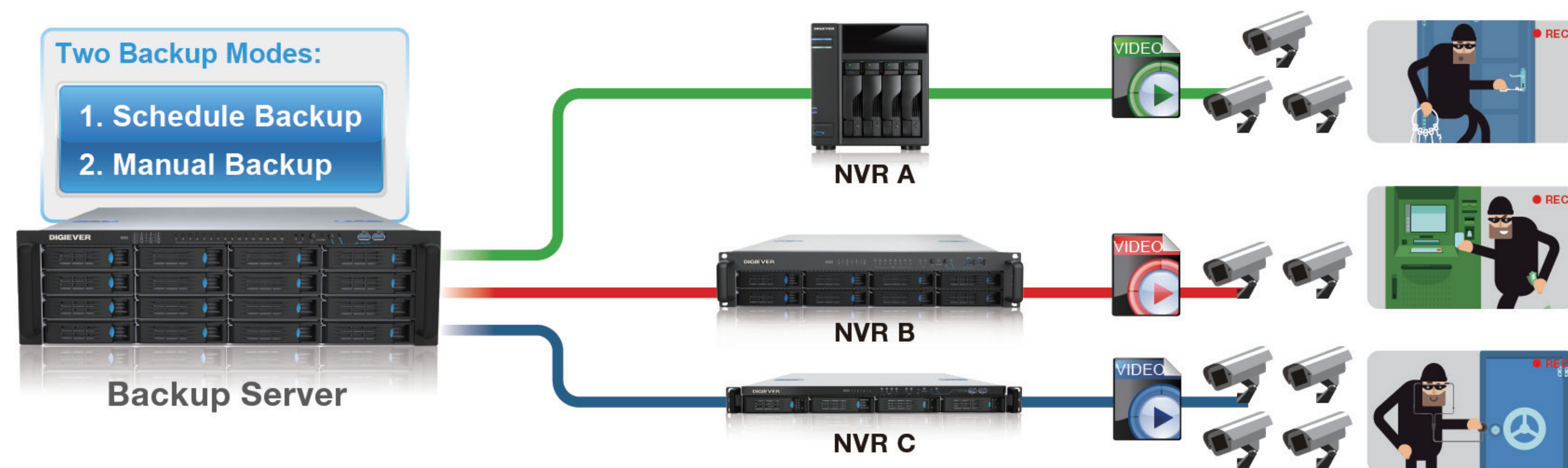
All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

## DIGIEVER NVR as Multiple Backup Solutions

- DIGIEVER NVR as backup server
- Instant export while playback videos
- Export files with password on playback page
- Edge backup: simultaneous recording and mutual backup

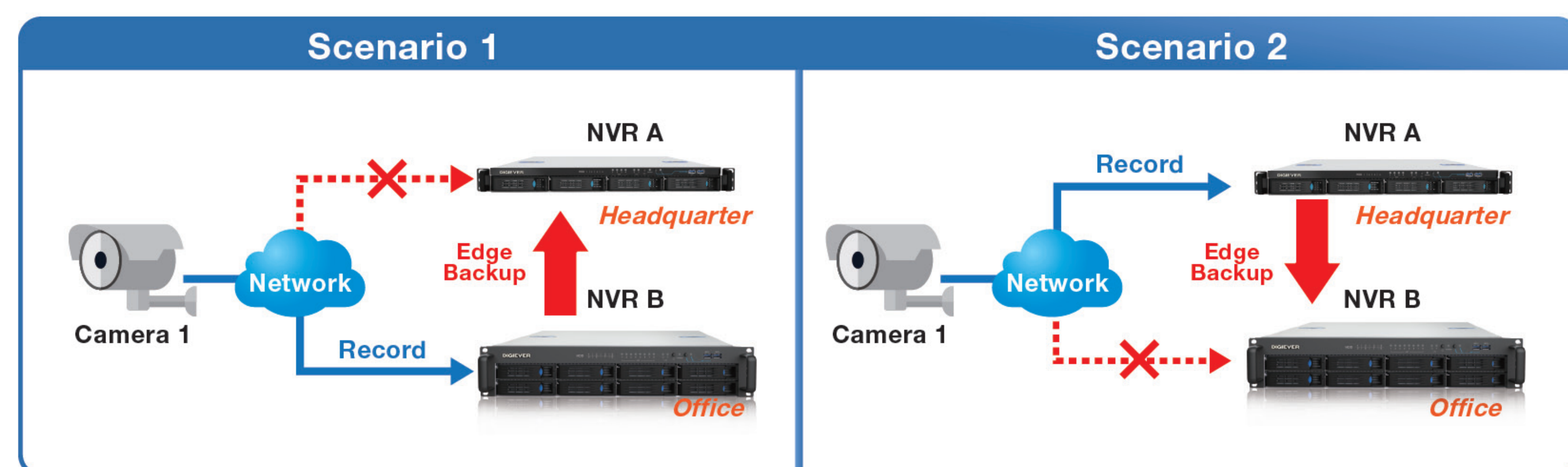
## DIGIEVER NVR as Backup Server

Preserve crucial camera videos from multiple DIGIEVER NVR with flexible schedule/ manual backup and view videos directly on backup server.



## Edge Backup

Offer "simultaneous recording and mutual backup" solution to save vital camera videos firmly in two NVRs via enabling edge backup on both side.



## Diverse Backup Methods

- One touch USB backup
- Remote backup to NAS / FTP server
- Local backup to USB storage devices
- Windows Networking and FTP service
- Two backup modes: Schedule backup and manual backup
- Two upload timing options for schedule backup: automatic and schedule
- Intelligent resume backup technology and backup delay warning to secure efficient backup

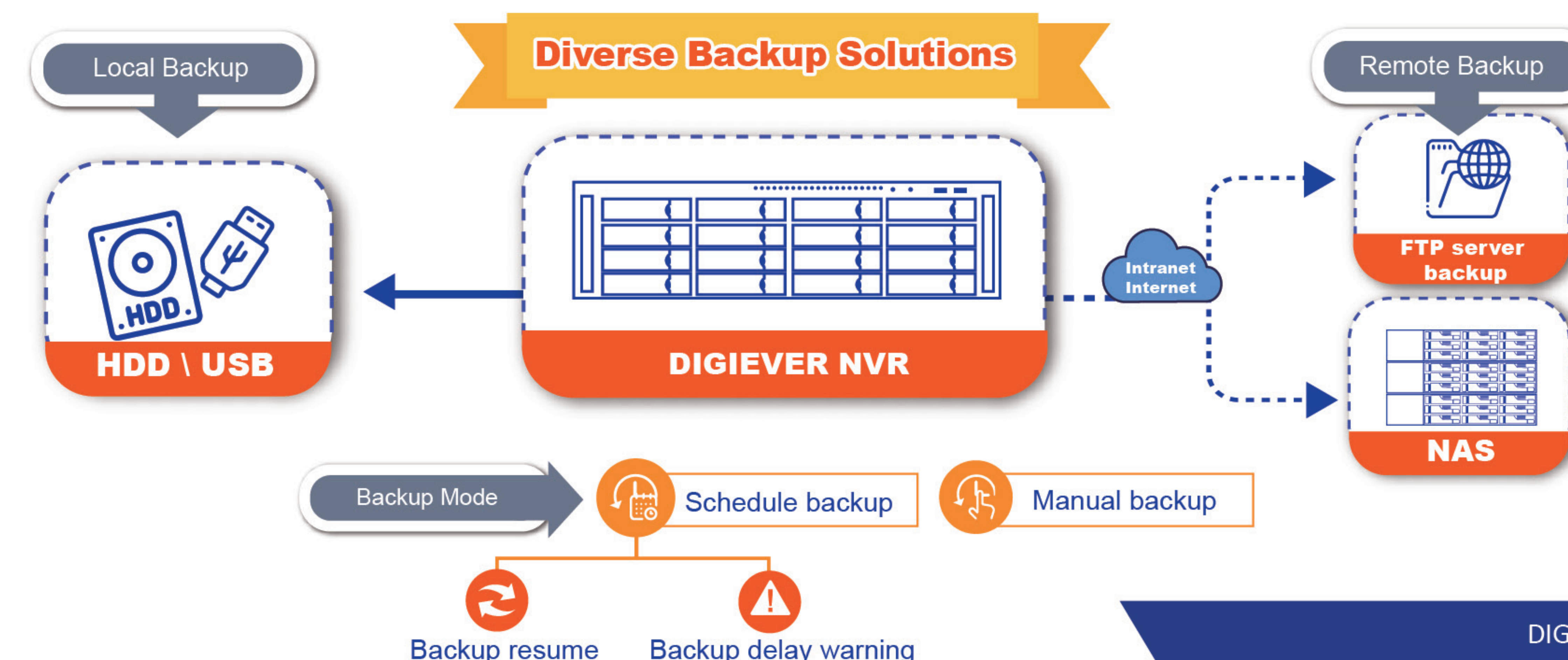
## One Touch USB Backup

Press either hardware USB BACKUP button or software USB BACKUP virtual button, and easily export the video files to external USB device, including USB dongle and USB type DVD burner.



## Diverse Backup Solutions

DIGIEVER NVR provides diverse backup solutions, securing your confidential recorded videos to keep in different locations and devices for a long time such as, USB storage devices, remote NAS or FTP server with a highly adjustable schedule.





# DIGIEVER NVR

Hardware & System

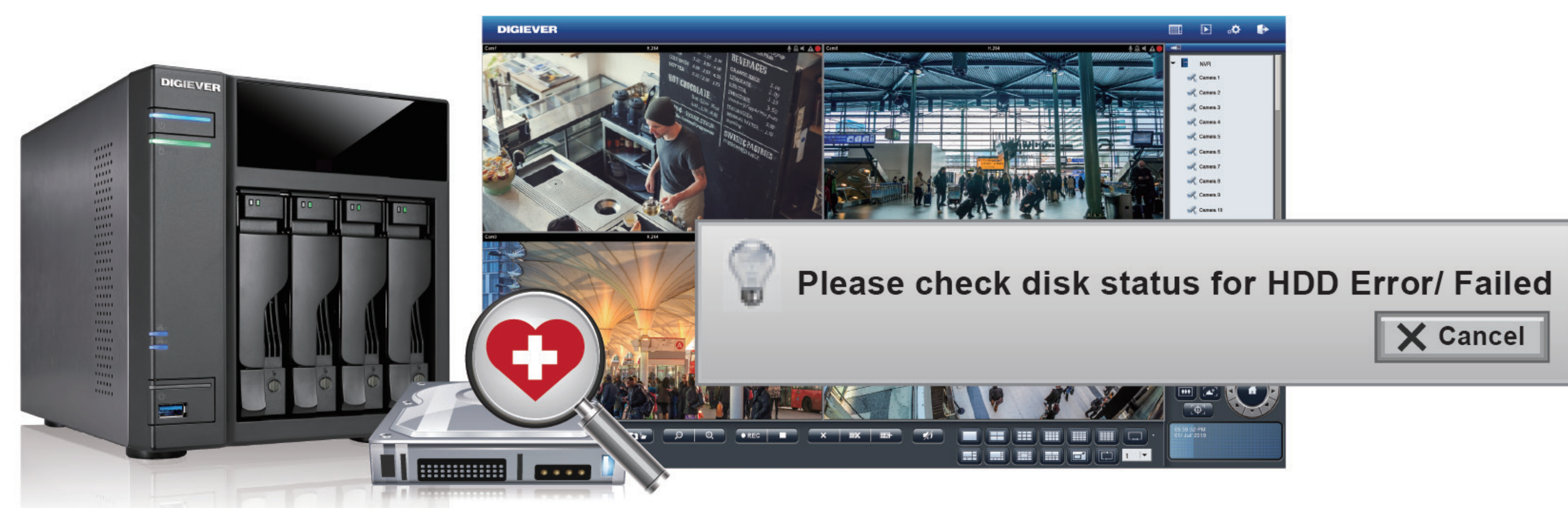
All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

## Superior Hardware Design

- Intel high speed quad core CPU
- S.M.A.R.T HDD health monitoring
- Power resume after power shortage
- Up to 18TB storage capacity per hard disk drive
- High network throughput for high megapixel recording
- Built-in DI/DO of 4-in 4-out
- Storage expansion via iSCSI Server
- Built-in advanced RAID configuration with hot swappable design
- Password protection for power button shutdown (admin/power user)

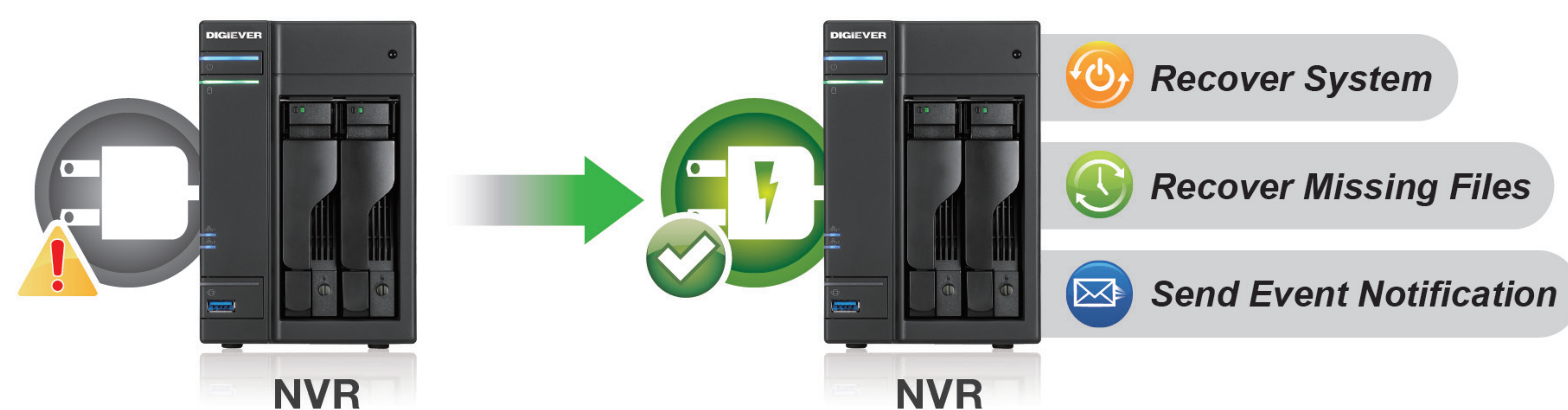
## S.M.A.R.T HDD Health Monitoring

To ensure comprehensive recording, NVR will constantly analyze HDD status, instantly report HDD reliability and automatically inform users of HDD error and HDD failed on liveview page with no need to configure NVR in advance.



## Power Resume after Power Shortage

NVR will automatically recover system, restore missing files and send event notification when power resumes after an outage to assure completeness of video.



## Advanced and Reliable Security System

- Stable and secure Linux-embedded system
- Detailed log information
- User privilege management
- NVR failover and system monitoring
- SNMP server to monitor NVR status
- Flexible permission and prohibition of IP range
- Diverse network services: share/ separate IP, load balance
- Link aggregation
- Login security lock
- Reset button control from configuration page

## Detailed Log Information

With over six clear log systems, users can do quick trouble shooting and security control of NVR.

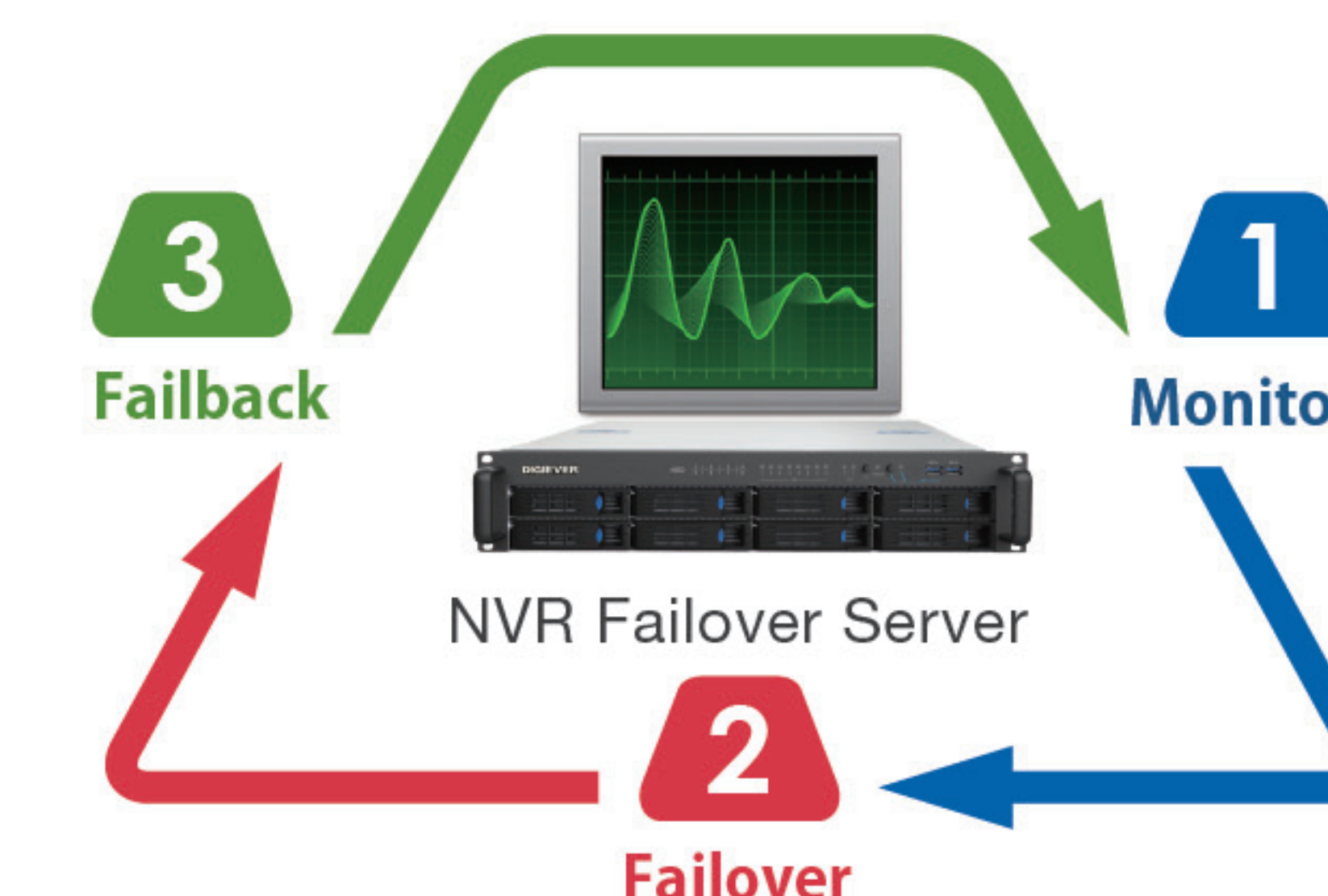
### Complete Log Record for Trouble Shooting



## NVR Failover and System Monitoring

NVR failover is a reliable backup solution to maintain DIGIEVER IP video surveillance in case of NVR recording server failure situation.

### NVR Failover and System Monitoring



## SNMP Server to Monitor NVR Status

Via SNMP server to remotely and centrally monitor diverse NVR status, users can largely save maintenance cost and effort.





# DIGIEVER NVR

## All-in-one Standalone Linux-embedded 4K Hardware Decode Network Video Recorder



## Smart and Simple Operation

- Multi-window operation
- Support 25+ language versions
- Trouble-free installation in 5 steps
- Intuitive localized keyboard layout
- Easy-to-use by USB mouse and keyboard
- The same user interface on local and remote
- Intelligent NVR Search & upgrade tool for NVR
- Useful device web link for quick connection
- Useful Network Tool – Ping IP

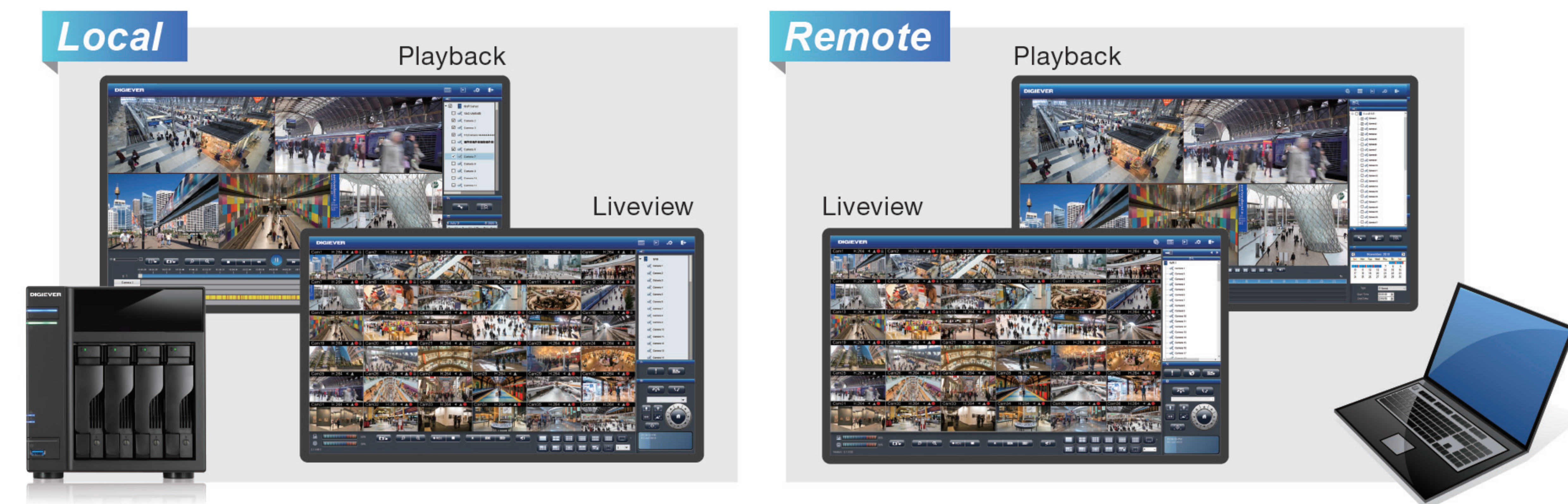
## Trouble-free Installation in 5 Steps

The deployment of DIGIEVER NVR is simple and easy by following the instruction of 5-step quick configuration.



## The Same User Interface on Local and Remote

Users can intuitively operate live-view, playback and configuration with the same design idea on local display and remote client to lower learning burdens.

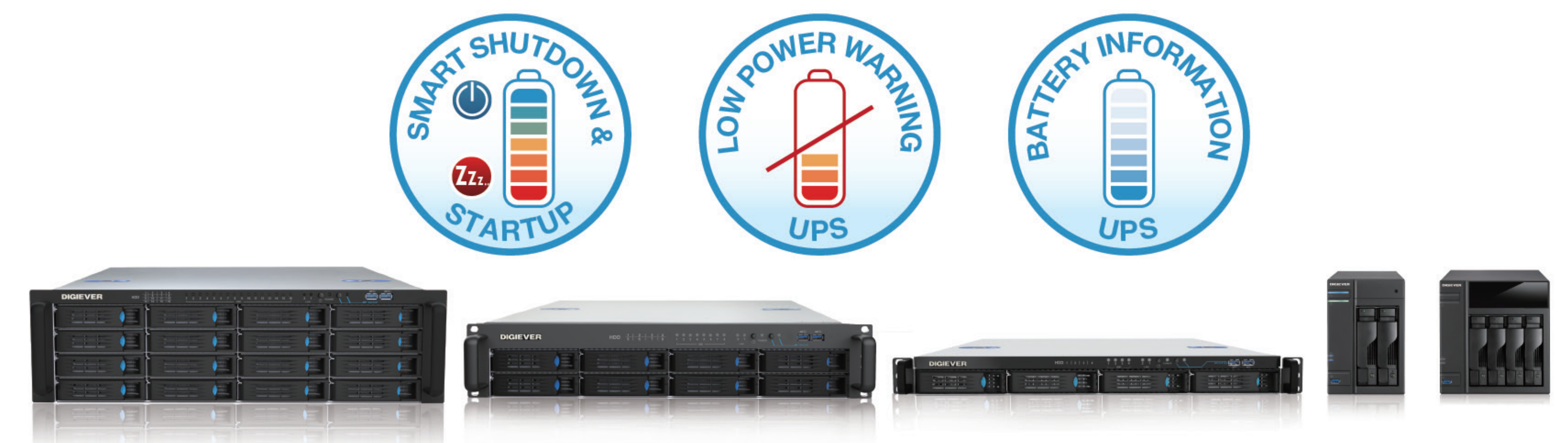


## Comprehensive and Powerful Integration

- Integrated with 150+ camera brands and 9000+ models
- Event search enhancement: people counting solution
- Integrated with IP video door intercom system\*
- Integrated with access control device\*
- Integrated with A/IO-D/IO box\*
- Integrated with UPS device
- Integrated with AI Box device\*

## Integrated with UPS Devices

NVR supports UPS (Uninterruptible Power Supply) to provide emergency power for unexpected power outage, to manage UPS information with efficiency and to perform smart shutdown and startup for NVR.



## Smartly Guard Your Entrance

To enhance entrance surveillance, DIGIEVER NVR has integrated with IP video door intercom system and access control system for door monitoring and card management. Users can centrally control multiple sites of door stations and clearly identify visitors.



\*Note1: DIGIEVER NVR supports Aiphone IX series for now.

\*Note2: DIGIEVER NVR supports Advantech (ADAM-6024) and D'Fu (DF-1601, 1602, 1603, 1608, 1616) for now.

\*Note3: DIGIEVER NVR supports HID (V2000) and HUNDURE (RAC-960 and RAC-970) access control device for now.

\*Note4: DIGIEVER NVR supports EdgeDX AI Box for now.



# DIGIEVER NVR

User Interface & Integration

All-in-one Standalone Linux-embedded  
4K Hardware Decode Network Video Recorder

## Web Surveillance: User-friendly Real-time Web-based Liveview & Playback

- Effortless access via diverse web browsers
- Supports H.265/ H.264 video format
- User-dependent camera list
- Support manual recording, snapshot, PTZ control/ preset point/ PTZ patrol, OSD display
- Smart dual stream auto switch
- Real-time event log & log export
- Support video type playback: normal & event
- Quick access via login page

## Effortless Access

By using a web browser (Chrome, Edge, Firefox, Opera or Safari), users can access the video feed from anywhere with internet connectivity without the extra software requirement

### Web Surveillance



## User-friendly Design

- Consistent design with a familiar user experience as NVR-Client
- Supports up to 64-CH for Web Liveview, 16-CH for Web Playback
- Diverse display mode: 1, 4, 9, 12, 16, 25, 36, 49, 64, full screen, sequential display
- Customized liveview layouts: Arrange liveview layouts to your preference
- Layout Memory: The system remembers last layout by account for next login



# Mobile NVR

MN-2100 UHD and MNT-2100 UHD Series  
The World's First Linux-embedded Wide-range  
Temperature 4K Hardware Decode Mobile NVR



## Excellent Display Performance

- Up to 16 channels real-time local display
- Support 12 megapixel IP cameras
- Up to 150 Mbps recording performance
- Marvelous PC-less solution: Dual/ Mirror display
- Support 60 FPS and Fisheye IP camera dewarping
- Support GPS data OSD display

## Superb Hardware Design

- Wide-range temperature (-40°~70°C / -40°~158°F) for tough environments
- Up to 8TB storage capacity per HDD
- Built-in 4 PoE ports
- Support optional Wi-Fi/4G/5G/Power adapter, and GPIO connector cable

## High Integration Ability

- Fleet management via DIGIEVER CMS
- Support third party VMS integration via DIGIEVER SDK



### Optional Packages





# NVR Failover Server

Multi-NVR Failover Server



## Three Modes to Ensure NVR's Recording and Monitoring

### 1 Monitor mode: Monitor Multiple NVR

Failover server will check the NVR and its RAID status in user-defined interval (30-180 seconds).

#### NVR Status:

Once Failover server cannot contact to NVR in user-defined times (3 times in default) Failover server will take over NVR.

#### NVR RAID Status:

Once the RAID in NVR recording server is inactive, Failover server will take it over.

### 2 Failover mode: Takeover the failed NVR

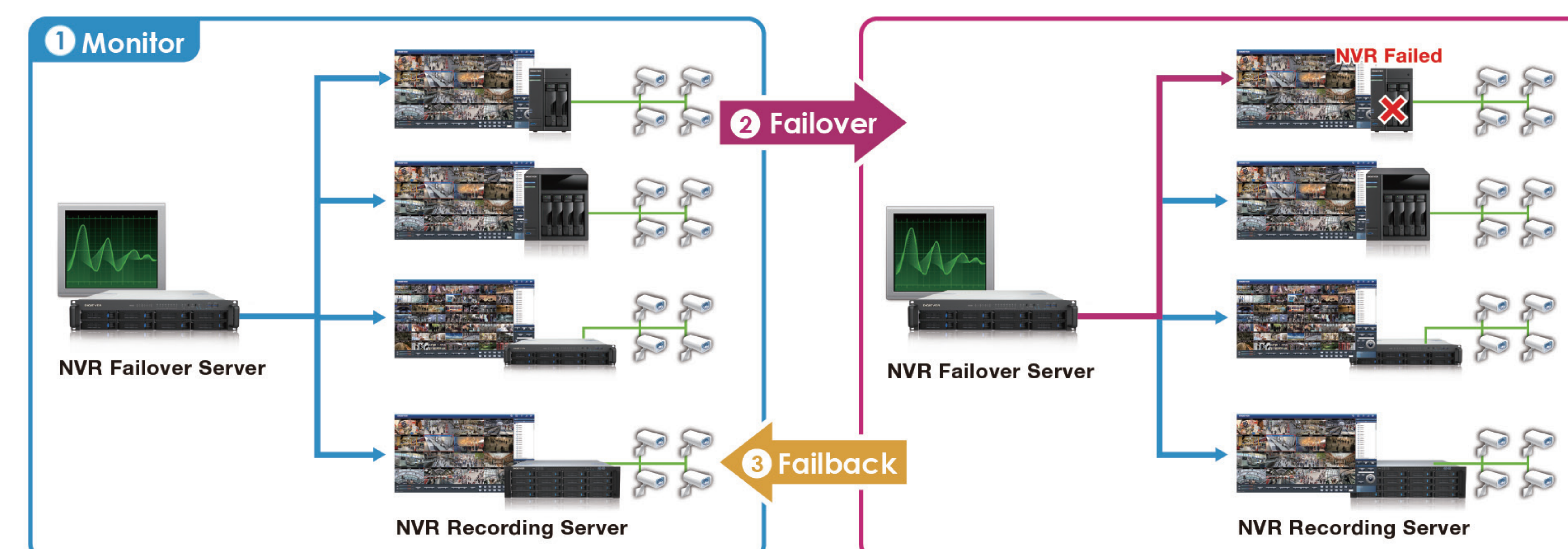
When Failover server takes over the failed NVR, Failover server will check NVR and its RAID status every minute.

#### NVR Status:

Once Failover server successfully reconnected to NVR, Failover server will stop taking over that NVR.

#### NVR RAID Status:

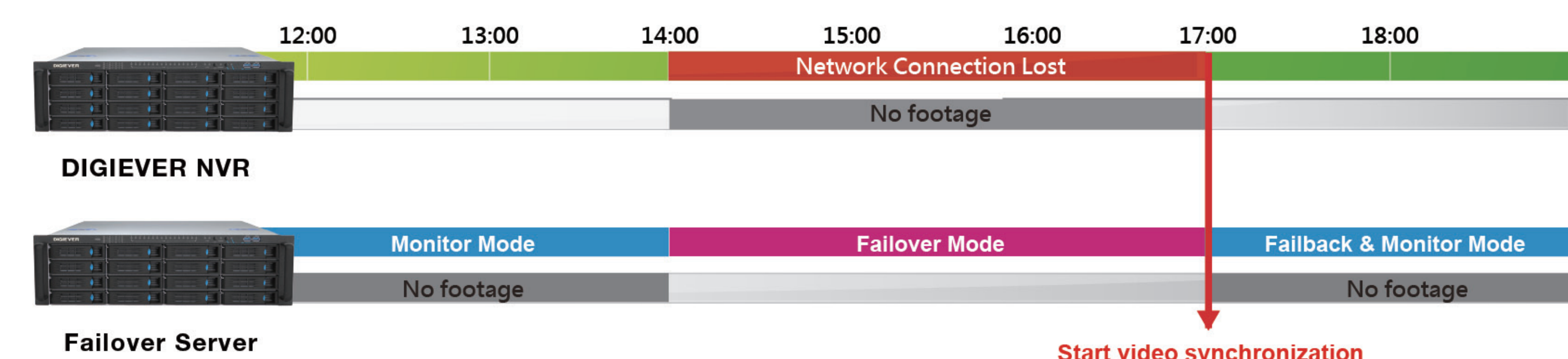
Once Failover server detects that NVR has been changed with a new HDD and starts to record video, Failover server will stop taking over NVR.



### 3 Failback mode: Synchronize failover period's video to NVR and monitor multiple NVRs

As soon as NVR goes back online, Failover server will stop taking over the NVR and switch to failback mode. In failback mode, Failover server will start to synchronize failover period's video to NVR and keep monitoring multiple NVRs.

#### The timing to start video synchronization: Failover server finished take-over NVR



## NVR Failover and Playback Function

### • Flexible N+1 Monitor Architecture:

- Monitor 4 NVRs by default (up to 16 NVRs by licenses)

### • Pre-built 64-channel Licenses:

- Simultaneous recording and monitoring for emergency

### • NVR Failover:

- Ensure 24/7/365 video monitoring, recording and event notification

### • Advanced Failover Detection:

- User-defined interval time to enable take-over for unstable network environment

### • NVR Failback & Video Synchronization:

- Make DIGIEVER NVR continue original surveillance service and start to monitor multiple NVRs.
- At the same time, Failover server will upload recorded videos to NVR.

### • Playback Videos Anytime:

- Both NVR and Failover server can keep failover period's video for playback.

### • User-friendly playback design:

- Provide playback control panel, smart search and AI Search for intuitive operation

## Superior Hardware Design

### • 18TB high Storage Capacity per HDD:

- Possess up to 288TB storage capacity

### • Flexible Storage Expansion Ability:

- Expand extra storage capacity via iSCSI

### • Diverse RAID Levels:

- Increase server reliability to protect crucial video data

### • Hot Swappable HDD Design:

- Replace the failed HDD on runtime

### • S.M.A.R.T HDD Health Monitoring:

- Prevent video loss from HDD failure in advance

### • Various Video Backup Methods:

- Easily backup your important videos

### • Highly Integrated with UPS Device:

- Maintain surveillance functionality and keep you safer

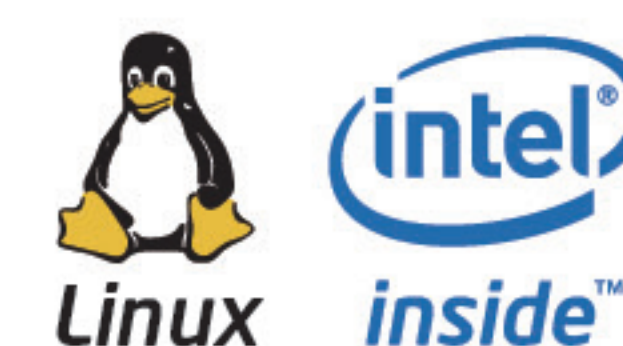
### • Multi-language support:

- Satisfy localized user experience



# Video Backup Server

Multi-NVR Video Backup Server



## Central Backup and Storage Capacity

- Central backup configuration:  
One backup server to satisfy crucial video backup needs without entering each NVR for video backup settings
- Up to 64 channels video backup from multiple NVRs
- Advanced backup schedule: Defined by camera
- Up to 288TB high storage capacity

## Playback and Double Backup

- Directly playback video on Backup server
- Multi-server and multi-channel simultaneous playback
- Remote playback via PC, iOS/ Android devices
- Smart search, region of interest (ROI), time-divided search and DIGI-dewarp
- Instant export with portable NVRPlayer
- Video export with watermark to reveal ownership
- Double backup to USB storage devices



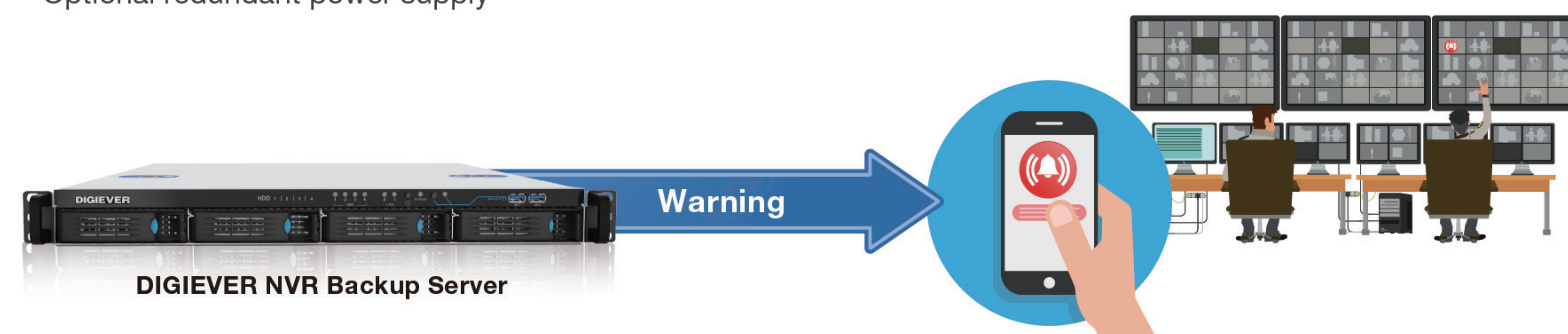
## Superior Hardware Design

- Complete RAID levels
- Hot swappable HDD design
- S.M.A.R.T HDD health monitoring
- Network link aggregation
- Optional redundant power supply

## Self-monitoring and Compatibility

- Smart self-monitoring and instant notification
- Highly integrated with UPS device
- Multi-language support

### Event Notification



# iSCSI Server

Linux-embedded iSCSI Storage  
Expansion Server for DIGIEVER NVR



## N+M iSCSI Storage Expansion Architecture

Large-scale video storage expansion solution  
for DIGIEVER NVR

- Cost-effective Storage Expansion Platform  
One iSCSI server can be assigned for diverse DIGIEVER NVR for video storage
- Achieve the Highest Storage Utilization  
Up to 6 iSCSI LUN that can share to many DIGIEVER NVR

## Remarkable Storage Capability

Maximum 288TB high storage capacity for long-term  
video storage

- Up to 288TB High Storage Capacity  
Support up to 18TB HDD
- Diverse RAID Levels  
Support RAID 0 /1 /5 /6 /10 to protect crucial videos
- Hot Swappable HDD Design  
Replace the failed HDD on runtime
- S.M.A.R.T HDD Health Monitoring  
Prevent video loss from HDD failure in advance

## Self-Monitoring and Smart Notification

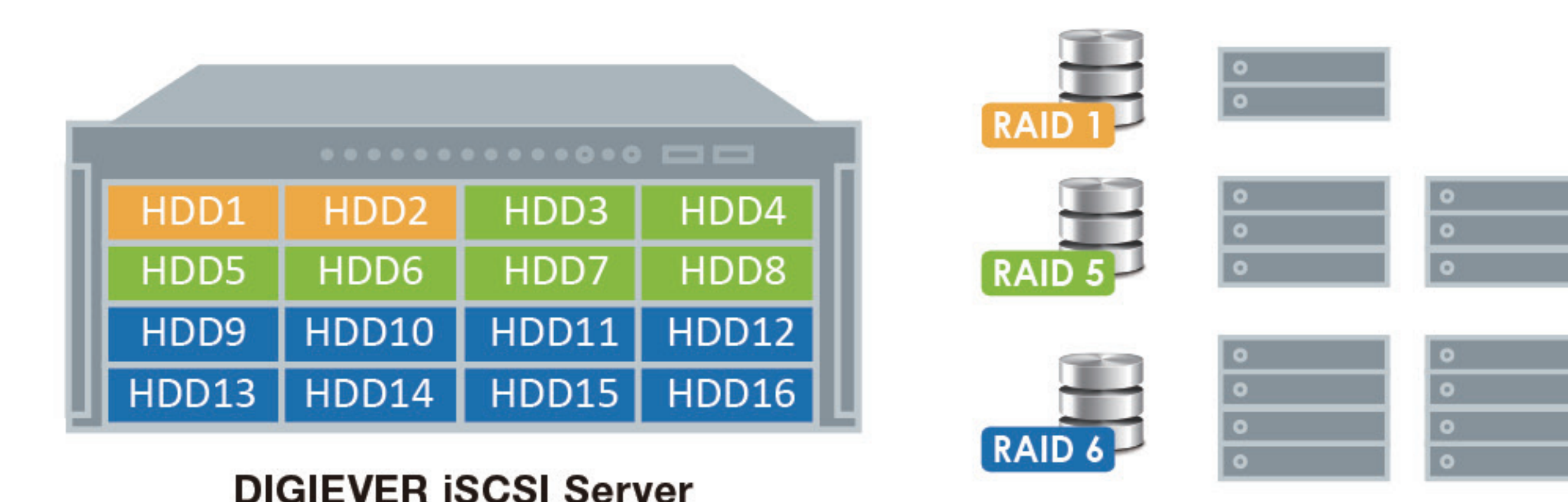
24/7 Self-monitoring to immediately notify any potential  
risks of iSCSI Server

- Event & Action Management  
Smart server self-monitoring and instant notification to solidly save your valuable videos

## Multi-RAID Storage Management

Freely define different RAID types for future  
HDD expansion

- Multi-RAID Configuration  
Support up to 3 volumes per iSCSI server
- Fast and Reliable Storage Expansion for DIGIEVER NVR  
Create extra new RAID volume in few minutes without stopping current recording task
- Optimized Fault Tolerance Ability  
Increase fault tolerance ability to protect your important video  
Eg. RAID5 (HDD x 3) + RAID6 (HDD x 4): Allow 3 HDD failure



## Superior Hardware Design

Ensure iSCSI Server works sound and safe

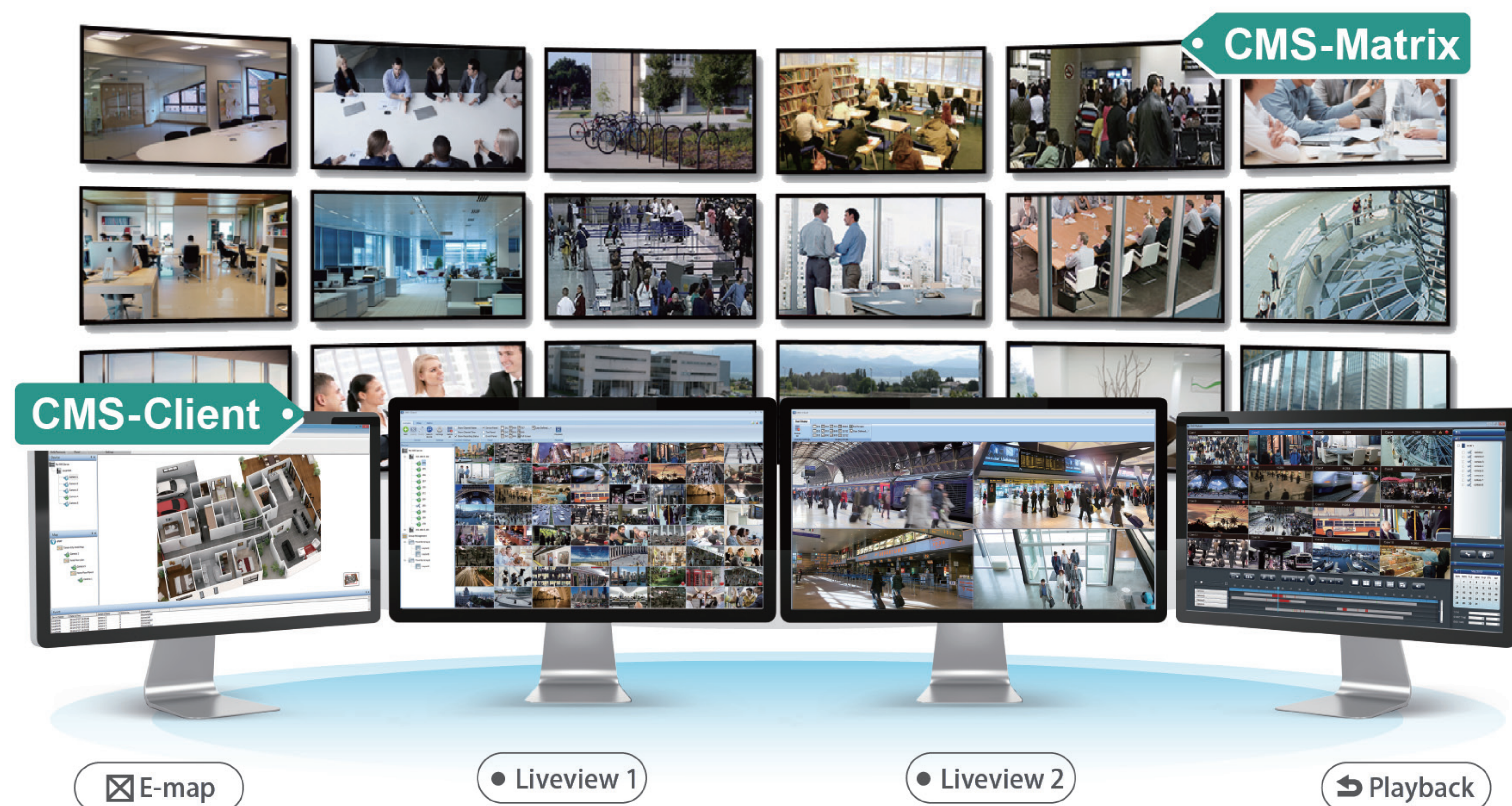
- Hot Swappable HDD Design  
Replace the failed HDD on runtime
- Highly Integrated with UPS Device  
Save important videos firmly and securely for unexpected electrical power lost
- Optional Redundant Power Supply  
Hot swappable power supply unit to replace the failed power unit on run time



# DIGIEVER CMS

Large-scale Central Management Software

**DIGIEVER Central Management System (DIGIEVER CMS)** is a powerful central management system that can centrally manage several **DIGIEVER NVRs** located on different sites. Composed of two intelligent video software, **CMS-Client** and **CMS-Matrix**, **DIGIEVER CMS** can manage large-scale surveillance efficiently and effectively.



## CMS-Client

Central Management Software

- ▶ Manage up to 1024 channels via NVR
- ▶ Monitor up to 144 channels per page
- ▶ Multi-task monitoring on multi-monitor
  - Dual display window for vital cameras
  - Multi-layer dynamic E-map
  - Multi-channel playback, smart search and data search
  - Multi-NVR GPS monitoring via Google Maps API
  - Manage and configure video wall

## CMS-Matrix

Video Wall Software

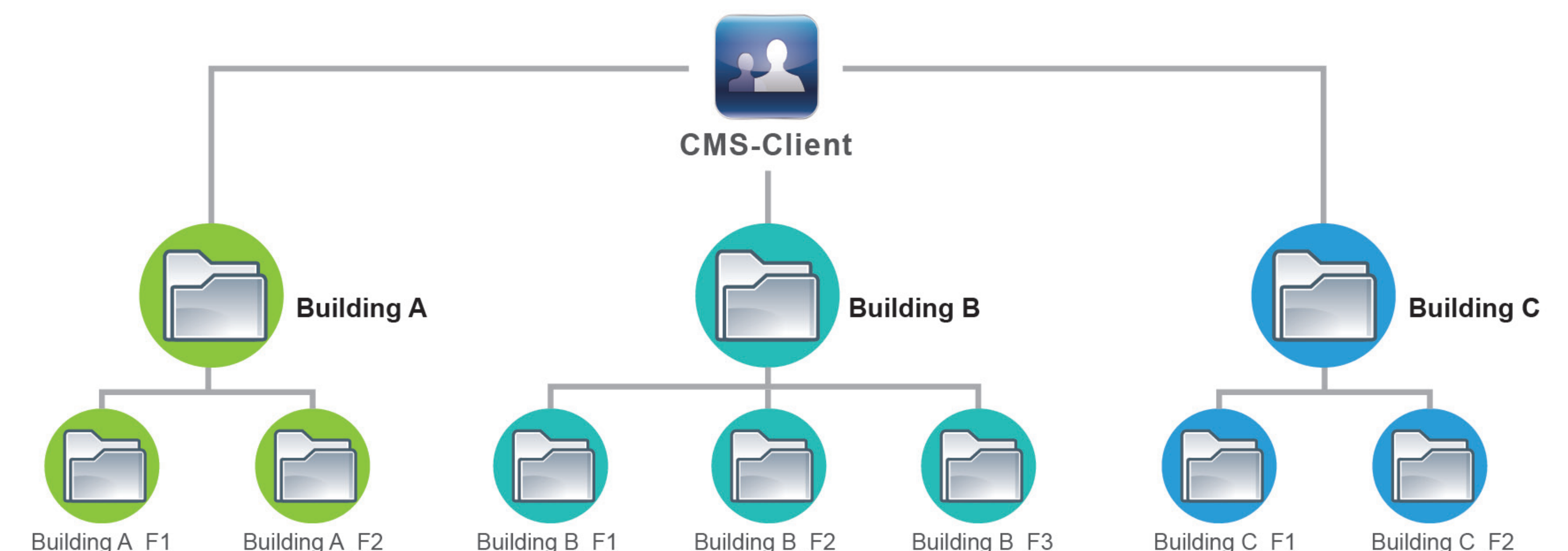
- ▶ Ideal for control room monitoring
- ▶ User-defined display mode
- ▶ Advanced schedule sequence group
- ▶ Flexible monitor scalability based on the number of display cards
- ▶ Dual stream auto switch to save bandwidth
- ▶ Restore point: save current monitor/layout settings

## Intelligent Camera Management

- Classify a massive number of cameras into meaningful groups such as lobby, entrance, parking lots
- Define suitable display mode for each camera group
- Utilize multi-level favorite groups to be more organized
- Sequential mode with proper display intervals
- One-click group playback via camera group

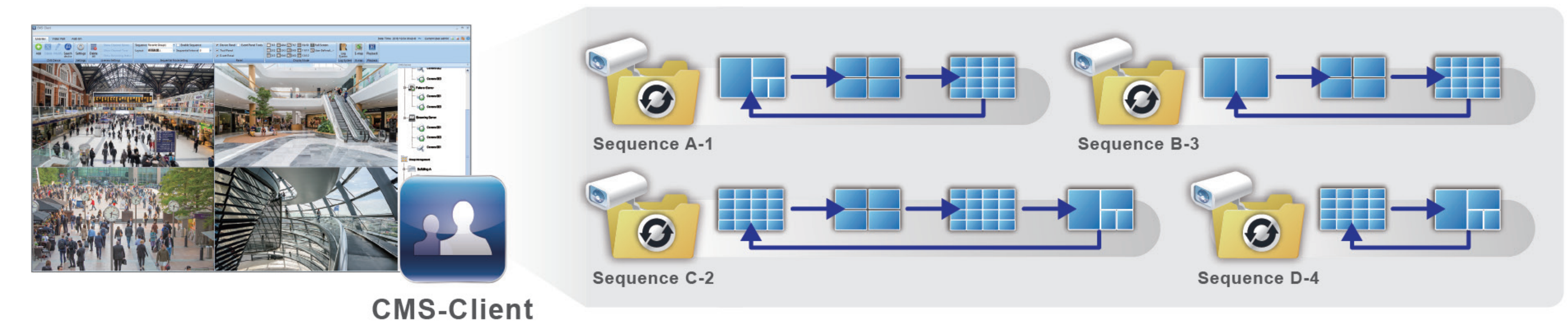
## Multi-level Favorite Groups

Via right-click menu, users can create a large number of sub-level favorite groups to organize the monitoring structures for management efficiency.



## Sequential Mode with Proper Display Intervals

Users can configure diverse sequential modes and intervals for liveview monitoring to meet various surveillance requirements.





DIGIEVER CMS

Monitoring

Large-scale Central Management Software

Intuitive Liveview Monitoring

- Manage up to 1024 channels via NVR
  - Monitor up to 144 channels per page
  - Dual display window for vital cameras
  - Edit/ lock mode to enhance security level
  - User-defined display mode
  - Single and quattro video pop-out window
  - Flexible schedule of event pop-out windows
- Instant playback to check suspicious objects
  - Smart stream optimization to save bandwidth
  - Region of Interest (ROI) to focus on multiple key subjects or areas
  - Seamless central monitoring between Failover server and DIGIEVER NVR

Dual Display

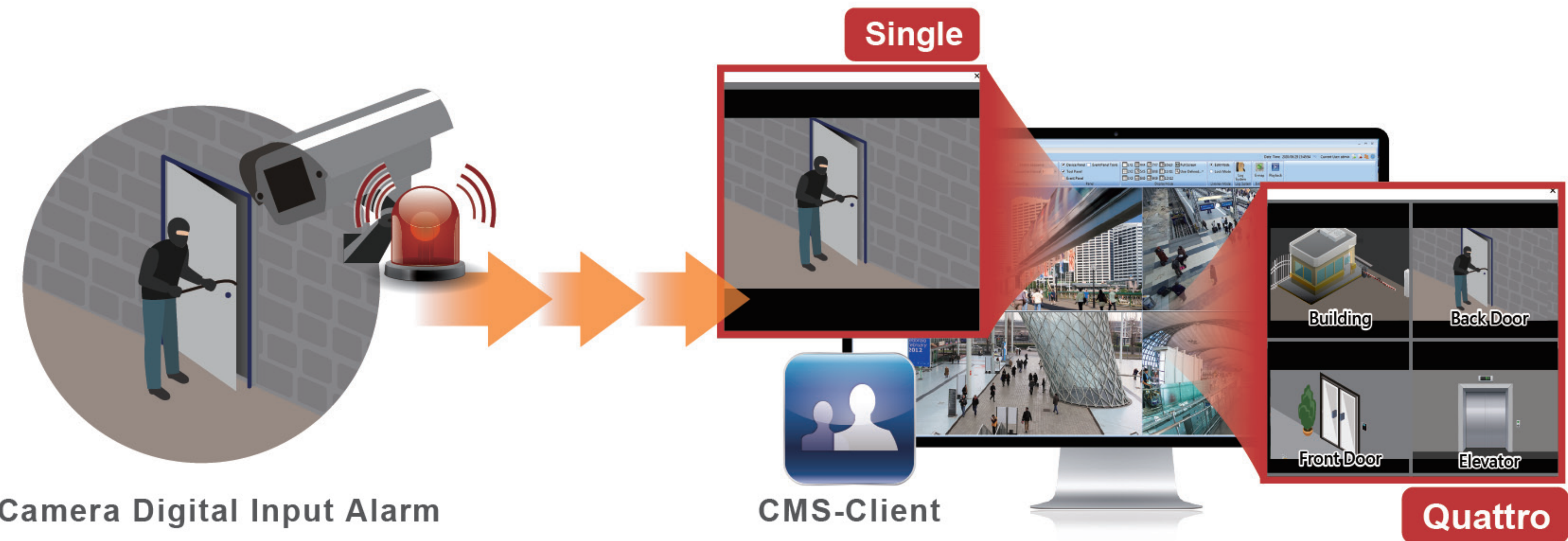
CMS-Client features Liveview Dual Display to increase multi-task monitoring efficiency. Users can monitor vital cameras on screen2 or on both two screens.

Event Notificatio



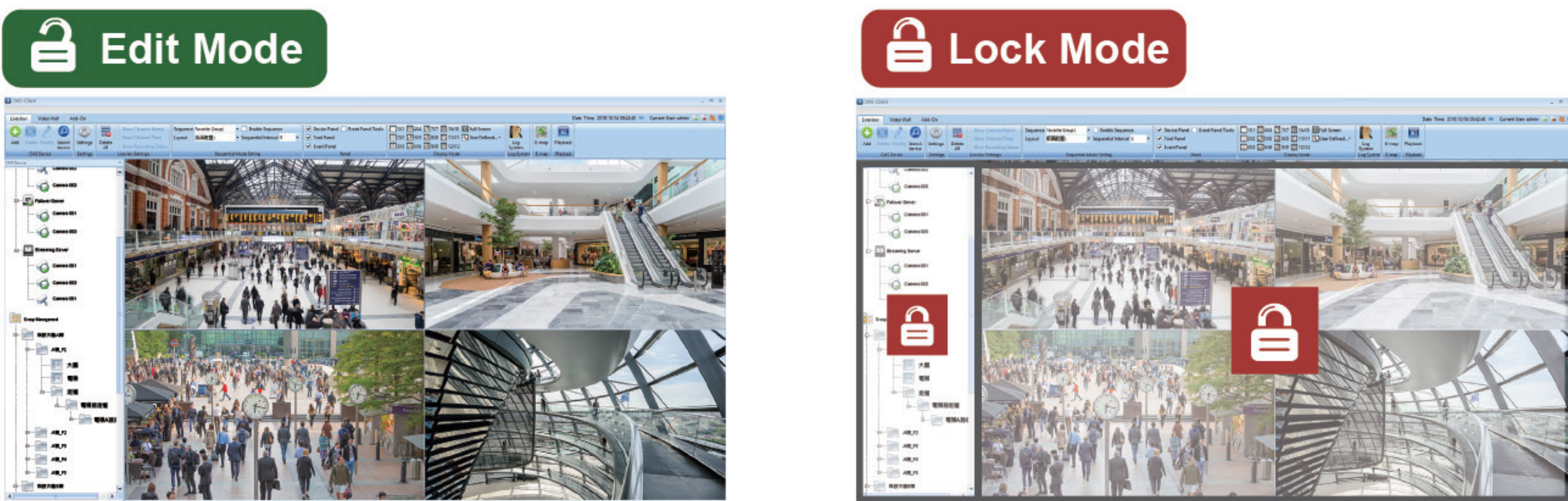
Single and Quattro Video Pop-out Window

When an event id triggered, CMS will inform users with single and quattro video pop-out windows. Users can instantly check camera spots for event tracking.



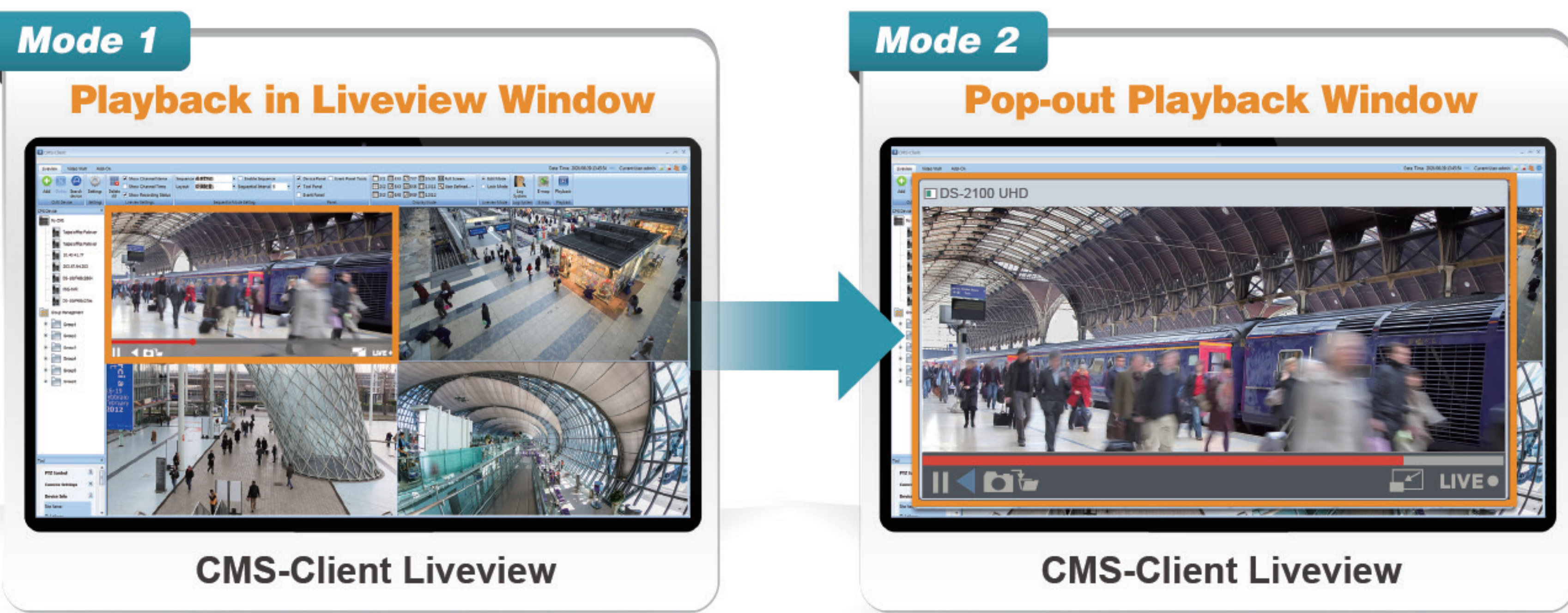
Edit/Lock Mode to Enhance Security Level

To enhance security level during monitoring, CMS offers edit mode and lock mode for users to secure the liveview page.



Instant Playback to Check Suspicious Objects

To check earlier videos, CMS provides two modes to execute instant playback directly on liveview page. Users can examine playback videos up to 15 minutes earlier while monitoring the present situation.



Flexible Schedule of Event Pop-out Windows

For distinct monitoring requirement in different time and regions, users can set up regions and define the time range with flexibility to keep alert if an event happens.





# DIGIEVER CMS

Large-scale Central Management Software

E-map & Playback

## Interactive E-map Design

- Multi-layer map tree
- Customized camera icons by type, color, size, and direction
- Map sync server to synchronize E-map settings for diverse CMS-Client
- Lock mode to avoid careless operation
- Display corresponding map when event happens
- Camera icon warning when event happens
- Instant pop-out event window
- Instant Playback
- Thumbnail links to quickly access diverse maps
- Double-click for large video window to examine more details

## Customized Camera Icons by Type, Color, Size, and Direction

Users can easily set up on-map cameras with 6 types, 5 colors, 3 sizes and 8 directions to arrange the deployment more intuitively.

5 colors & 6 styles

Resolution

4K FHD/HD WXGA

## Intuitive Event Notification

When an event is triggered, users can instantly know the device locations among multiple layers of maps via up to 10 pop-out windows at a time, the on-map icon in red alert, and the event auto-unfolding on map panel.

Normal

Event Triggered

## Multi-channel Playback

- Cross-NVR multi-channel playback
- Up to 16 channels simultaneous playback
- Time-divided playback
- Smart search to quickly find key video
- Data search to quickly find out key data from multi-NVR
- Thumbnail preview on time table
- Instant export while playback videos
- Add watermark when export video
- Export video with portable NVRPlayer
- Digital watermark check via NVRCheck

## Smart Search and Data Search

To quickly find out key videos and data, users can utilize smart search and data search for analysis purpose to maximize recorded videos.

CMS-Client

## Instant Export and Add Watermark while Playback Videos

Users can export multi-channel videos to PC while playing recorded videos for precise video length and details. While exporting the videos, users can also add the watermark for more protection.

CMS-Client

Source from Police Station

Font Color Font size Position



# DIGIEVER CMS

Large-scale Central Management Software

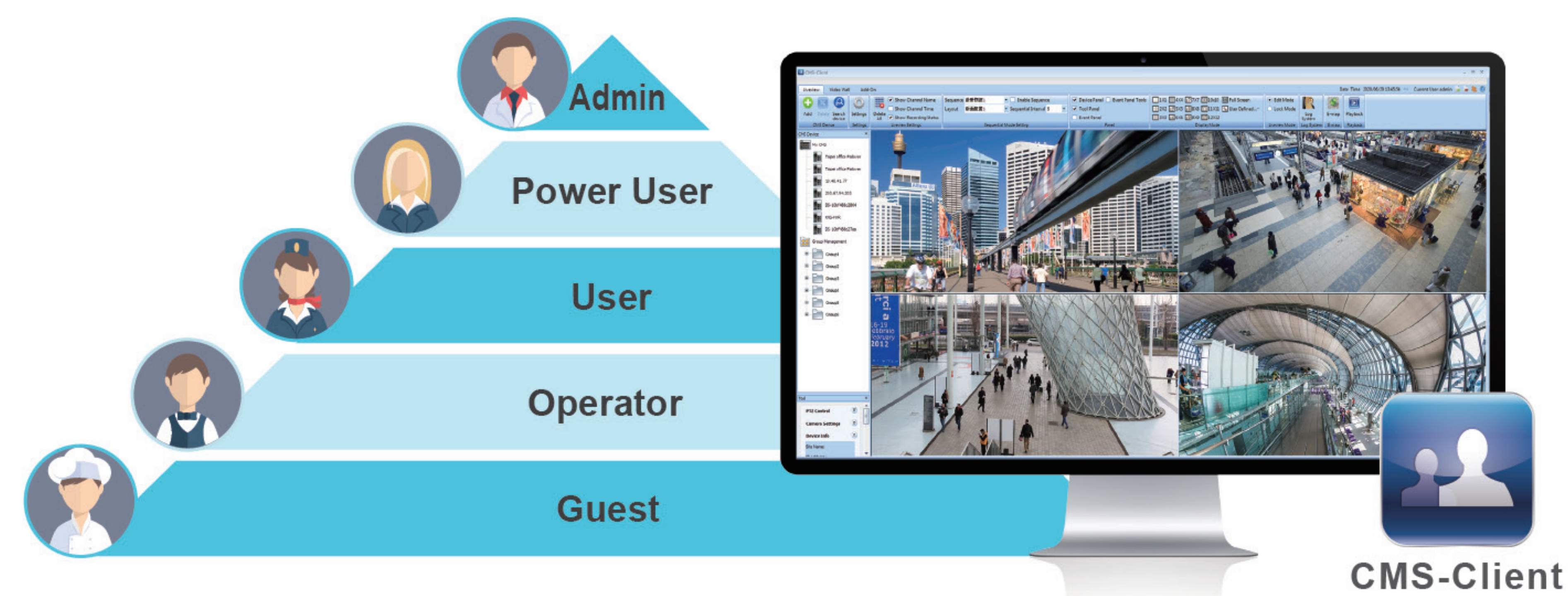
System & CMS-Matrix

## Flexible System Configuration

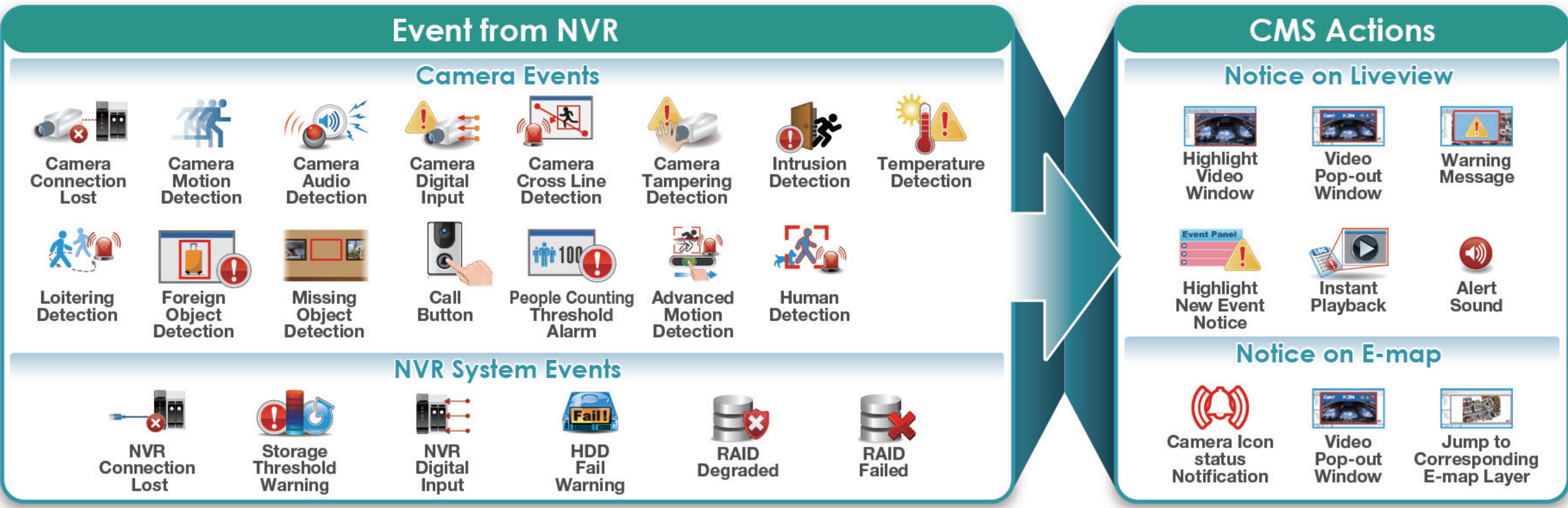
- Quick installation wizard
- Auto NVR detection
- Flexible license upgrade
- User privilege management: 5 levels with user-defined authority
- Detail log information for security control and trouble shooting
- Powerful event and action management:  
Up to 21 NVR event types and 9 action types
- Save/ load configuration to speed up surveillance deployment
- Support 10+ language versions

## User Privilege Management

To distribute authority accurately, CMS offers 5 levels of privilege control: administrator, power user, user, operator and guest. Users can create accounts and assign different and precise authority.



## Powerful Event and Action Management

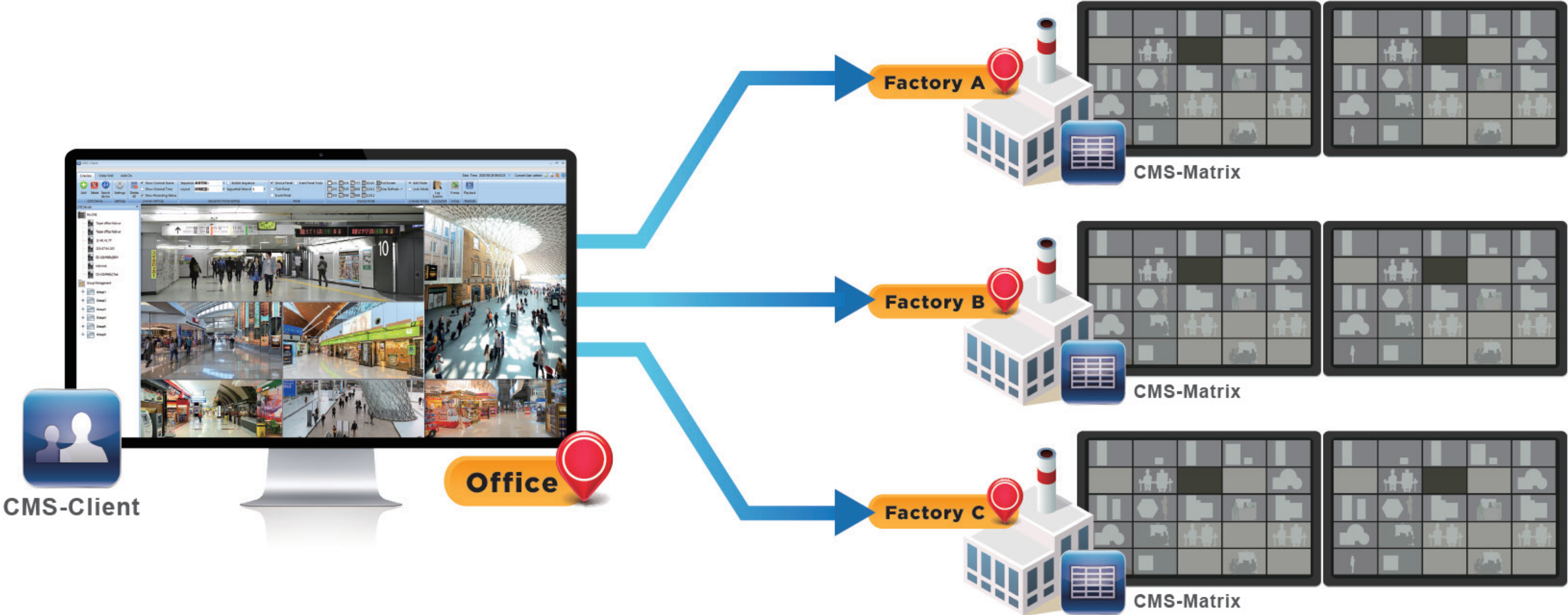


## Build Video Wall with CMS-Matrix

- Multi-monitor liveview monitoring
- User-defined display mode
- Support sequential mode
- Advanced schedule sequence group
- Support Fisheye IP camera dewarping
- Assign different layouts to diverse monitors
- Preview video wall setting on CMS-Client
- Flexible monitor scalability based on the numbers of display cards
- Restore point: save monitor and layout settings

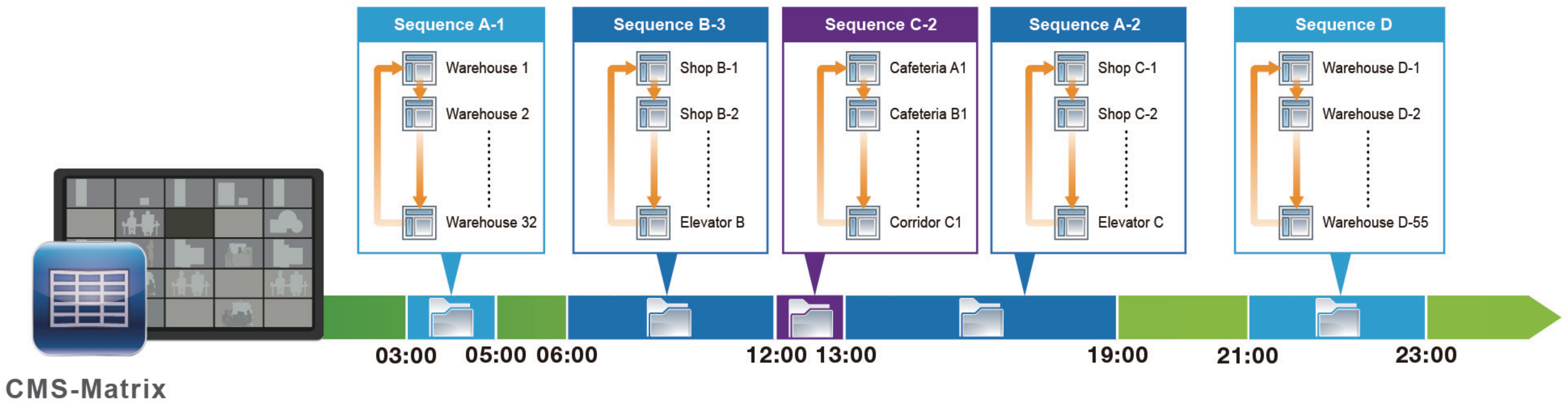
## Preview Video Wall Setting on CMS-Client

For remote configuration, users can set up CMS-Matrix and preview the effect on CMS-Client in order to save time and change the deployment conveniently.



## Advanced Schedule Sequence Group

Users can arrange flexible schedules with one-time setting, and CMS-Matrix will automatically switch to sequential liveview monitoring on time to increase efficiency.





# Streaming Server

Rackmount Linux-embedded Streaming Server

- For Multi-site Monitoring Need
- Extraordinary Portable 24/7/365 Surveillance Solution



## Maximum 128-channel Connection

You can connect up to 128 channels with dual-stream for different access purposes. Streaming with higher resolution for recording while streaming with lower resolution for live monitoring, which can save bandwidth usage and offer you a faster access experience.

## Powerful Streaming Forwarding Performance

Its streaming forwarding performance is ideal for remote simultaneous access for diverse devices and accounts. One streaming server can simultaneously provide up to 1000 streams, which can incredibly increase the scalability of remote monitoring deployment and decrease the limitation of IP cameras.

## Advanced Streaming Authorization

Streaming Server authorization provides 3 levels of privilege management (Administrator, power user, and user) and allows you to create up to 1024 user accounts to define its camera access list for individual system management. It is a smart way to ensure the privacy and security of video data.

## Liveview Monitoring Everywhere

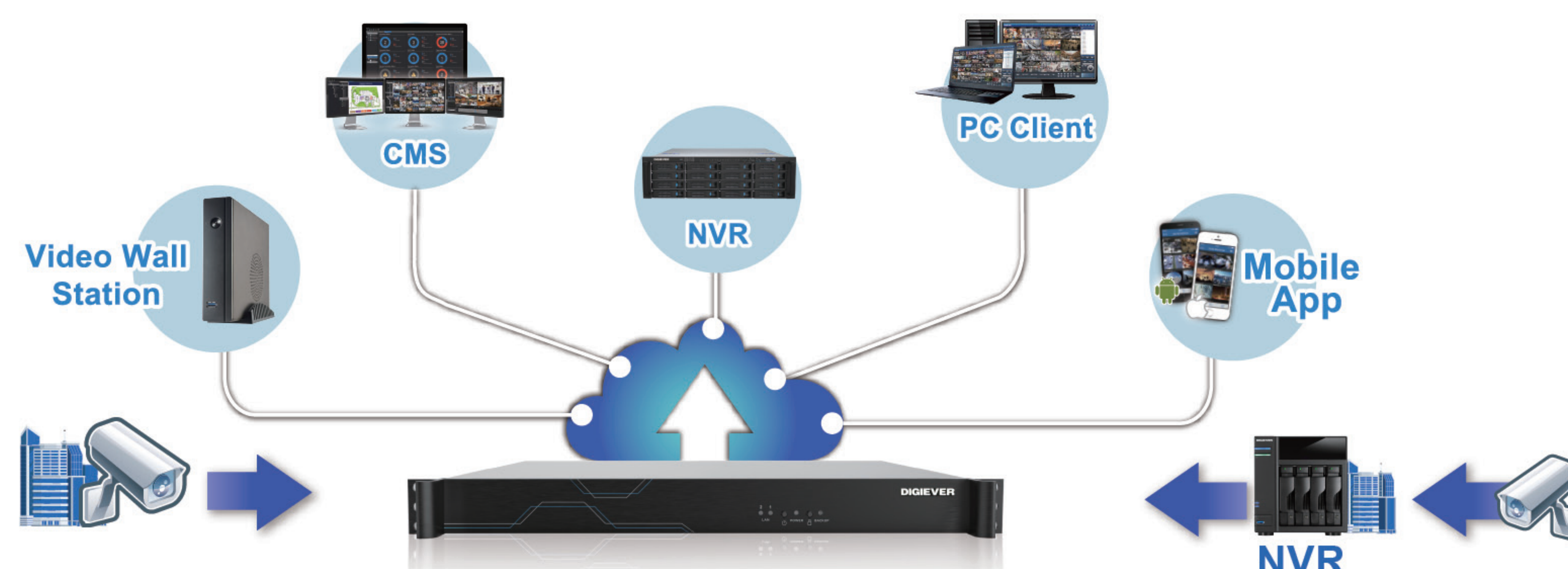
All accounts can check live videos everywhere via software application on Windows PC, iOS and Android mobile devices. Via Streaming Server, you can smoothly monitor anytime and anyplace through DIGIEVER IP video surveillance solutions, such as DIGIEVER NVR, DIGIEVER CMS and Video Wall Station.

## 16-channel Simultaneous Playback

Streaming Server features 16-channel simultaneous playback for cameras that are added via DIGIEVER NVR in the LAN environment. The design of playback is the same as DIGIEVER NVR. In addition to liveview monitoring, user can intuitively find the crucial video, take a snapshot and export the video on Streaming Server's remote client.

## Smart Search and Data Search

Smart search allows users to intelligently find accidental events such as foreign object or missing object when the camera is added via DIGIEVER NVR. To find data recorded in DIGIEVER NVR, data search helps users to intuitively get the key data such as motion detection and people counting data.



# Video Wall Station

VD UHD Series/ VD UHD+ Series

The World's First 4K Hardware Decode, 4K Display and H.265 Linux-embedded Video Wall Station



## Superb 4K Hardware Decode & 4K Local Display

- Support 12 megapixel IP camera
- Brilliant 4K display ability
- Support 3 display modes:  
4K UHD (3840x2160), Full HD (1920x1080) and XGA (1024x768) display
- Up to 64 channels liveview performance
- Marvelous PC-less solution: Dual/ Mirror display
- Dual-stream optimization for better video quality
- Support 60 FPS and Fisheye IP camera dewarping
- Versatile Monitoring Plans with Group Layouts

## Multi-channel Playback

- 5 channels simultaneous playback from DIGIEVER NVRs
- Playback speed control to shorten video tracking time
- Intuitive Thumbnail preview

## Advanced and Reliable Security System

- Reliable Linux security system
- Detail log information
- Flexible user privilege management

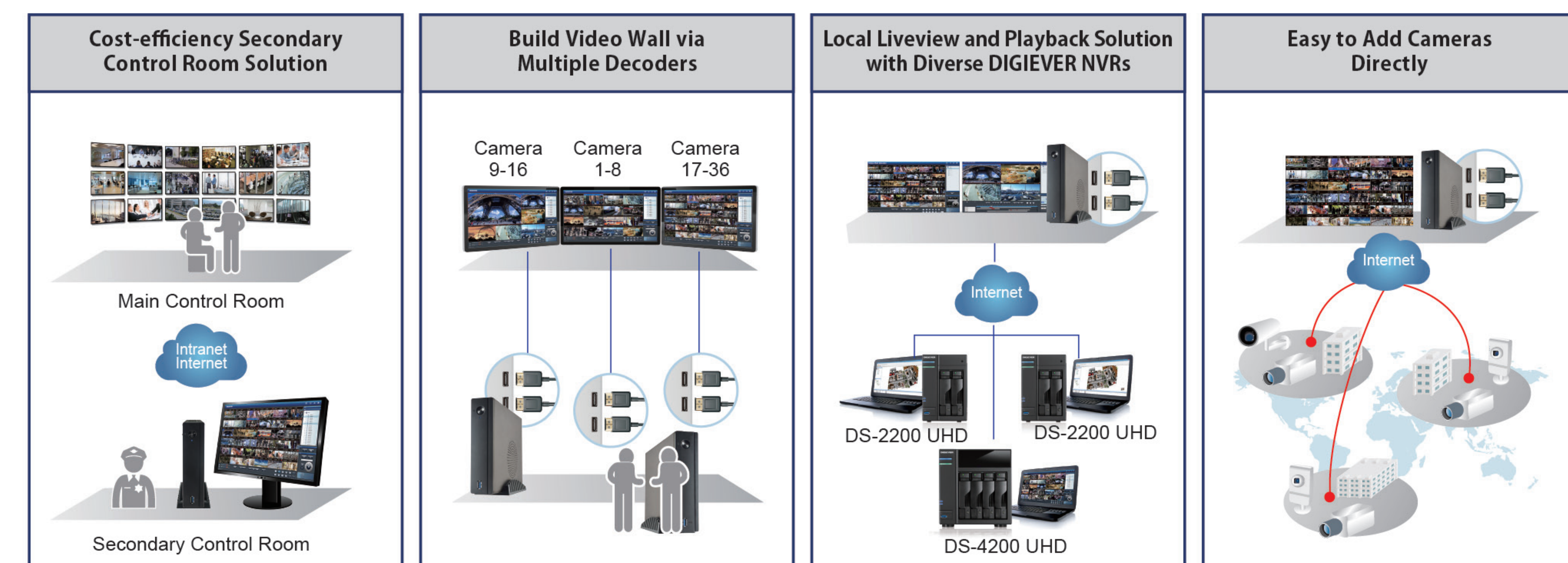
## User-friendly Design

- Trouble-free installation in 4 steps
- Quickly add NVR and camera via UPnP search
- Save/ Load configuration file via USB dongle and PC
- PC-less operation with USB type keyboard and mouse
- Convenient remote controller via DIGIMobile V2 app

## Comprehensive Compatible Capability

- Support H.265/H.264/MJPEG/M-PEG4/MxPEG video compression standard
- Support over 150 brands and more than 9000 IP cameras
- Support ONVIF/Generic RTSP & MJPEG

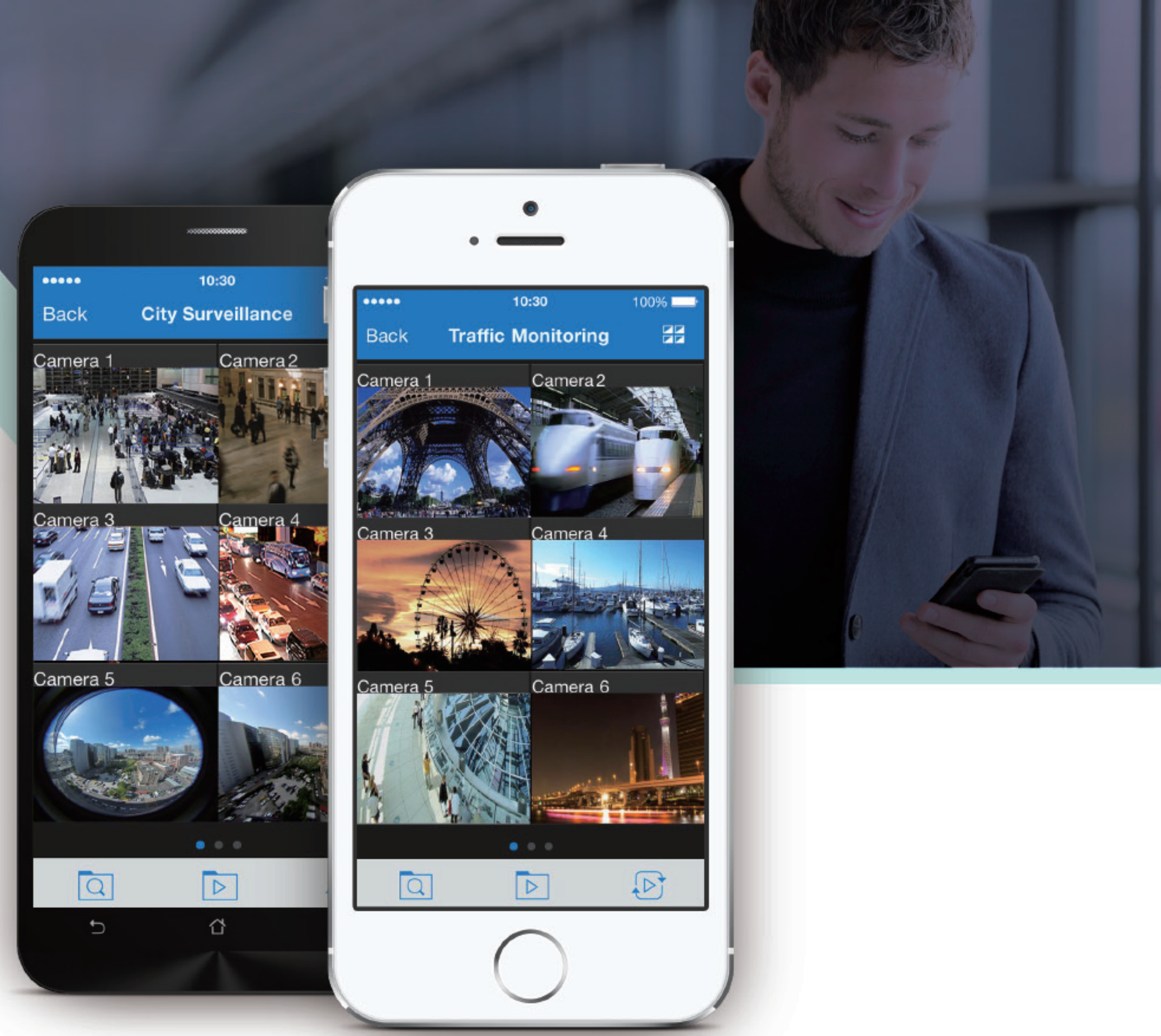
## Various Applications





# DIGIMobile V2

Monitoring Everywhere via  
iOS & Android Mobile Devices



## Liveview

- View videos from multiple phones at the same time
- Dual stream auto switch
- Compression format: H.265, H.264, MJPEG, MxPEG
- Display mode: 1/2/4/6/9/12/16 and sequential mode
- Support PTZ control, pinch to zoom and audi
- Support Wiper control

## Advanced Features

- Quickly add NVR in LAN via EZ Search
- Directly control NVR liveview on local display
- Quick monitoring from favorites
- Multi-languages support

## Playback

- Quick playback methods:  
Event playback and continuous playback
- Playback speed control: Fast forward and slow motion
- Frame by frame playback and rewind
- Support pinch to zoom and audio
- Time bar control

# DIGIEVER PoE Switch

FM Series  
Enterprise Full Management Gigabit PoE Switch  
with Advanced Surveillance Functions



## Industrial Layer 2+ Full Management PoE Switch

- Spanning Tree (STP/ RSTP/ MSTP)
- QoS (CoS/ Rate Limitation/ Priority Queue)
- Snooping (IGMP/ IPv6 MLD)
- SNMP (v1/ v2c/ v3)
- Up to 4K of VLAN group numbers
- Storm Control (Broadcast/ Multi-cast/ Unknown Unicast)
- Sampled Flow
- IEEE 802.3ad -Link Aggregation Control
- IEEE 802.3x Flow Control
- Authorization on Radius/ TACACS+

## Professional PoE Port Management

- High scalability with diverse selection of PoE ports: 8, 16 and 24
- Up to 250W high PoE power budget
- IEEE 802.3 af/at standard compatible
- Adjustable voltage PoE (Max. 30W per port)
- Support power device detection for easy deployment
- Enable/Disable PoE port separately

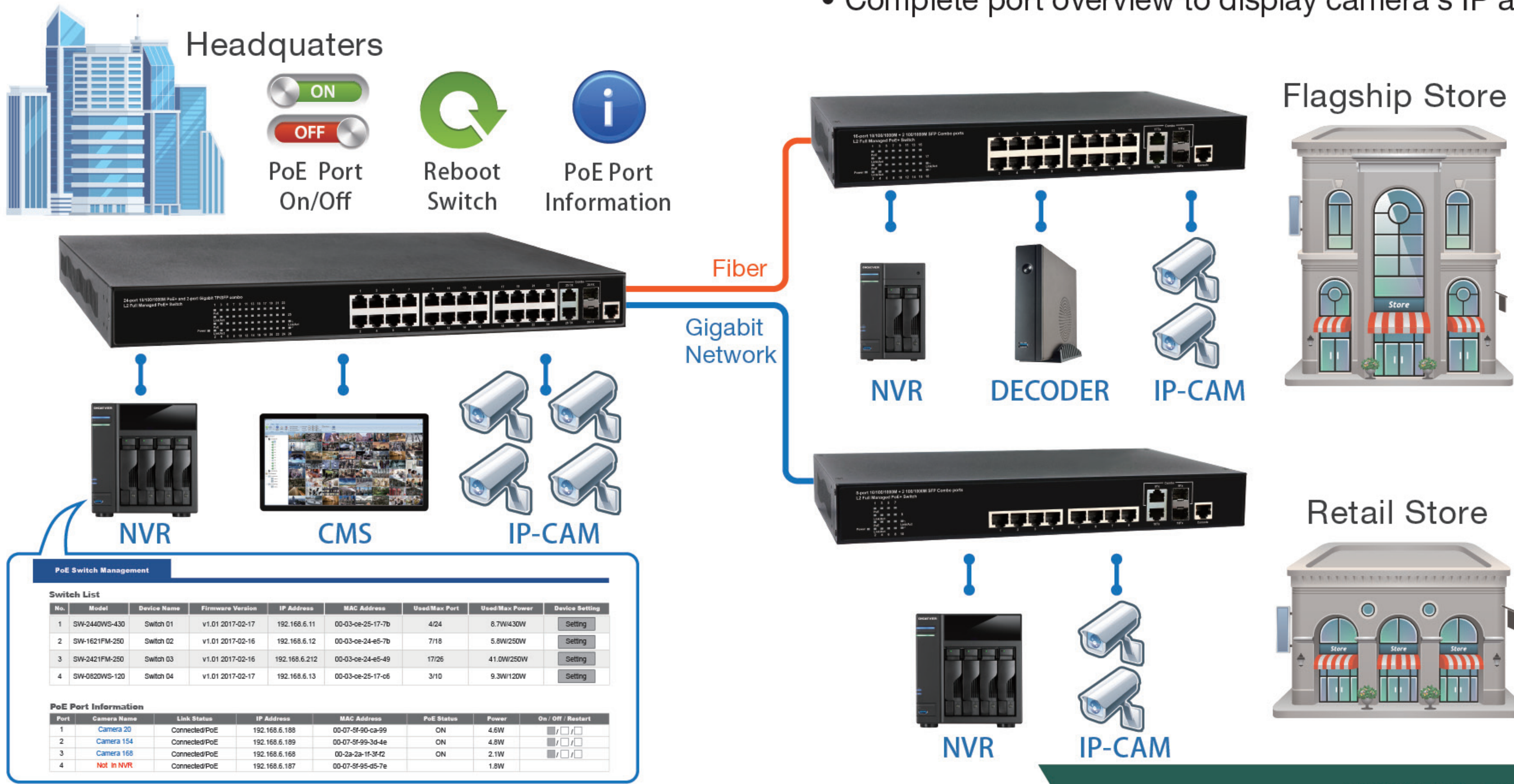
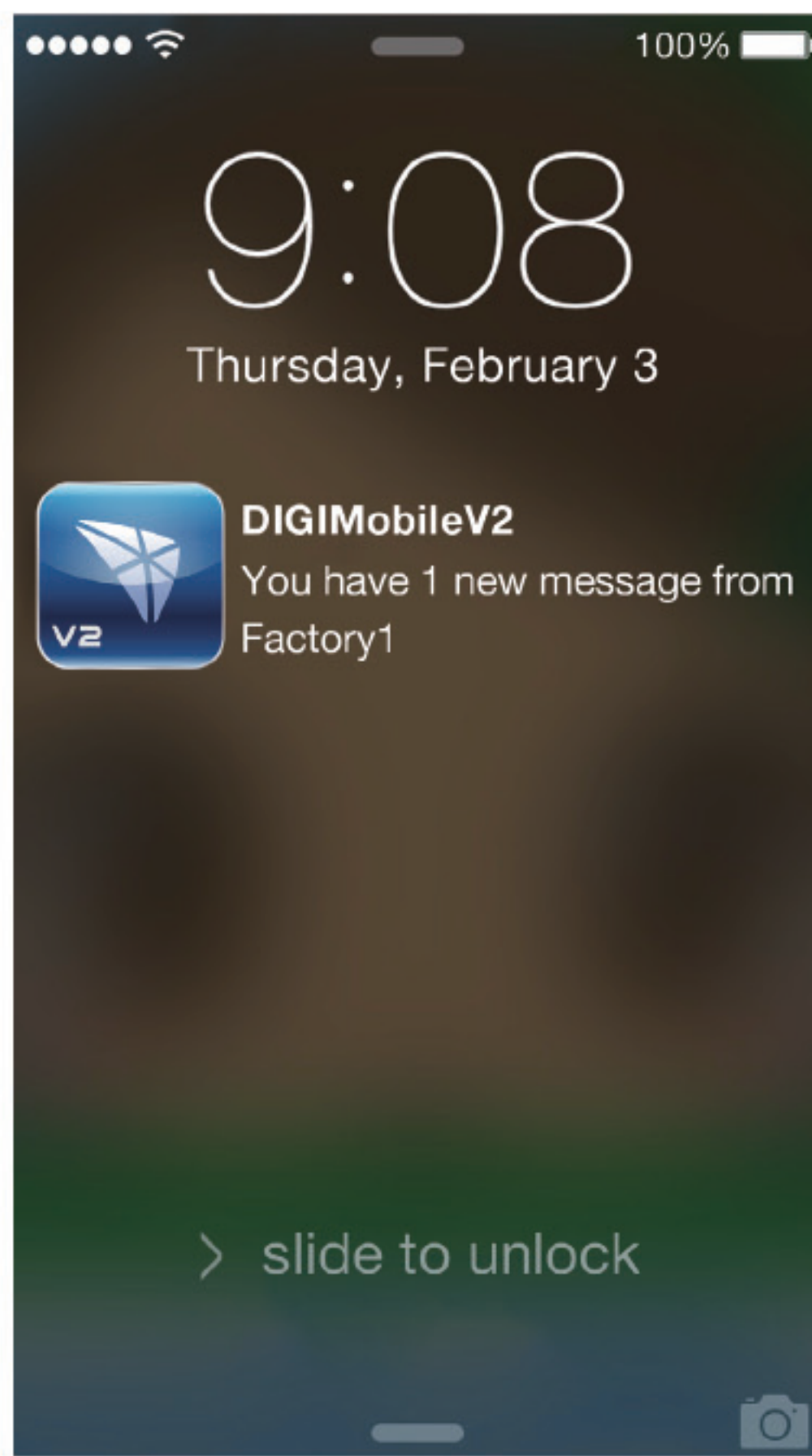
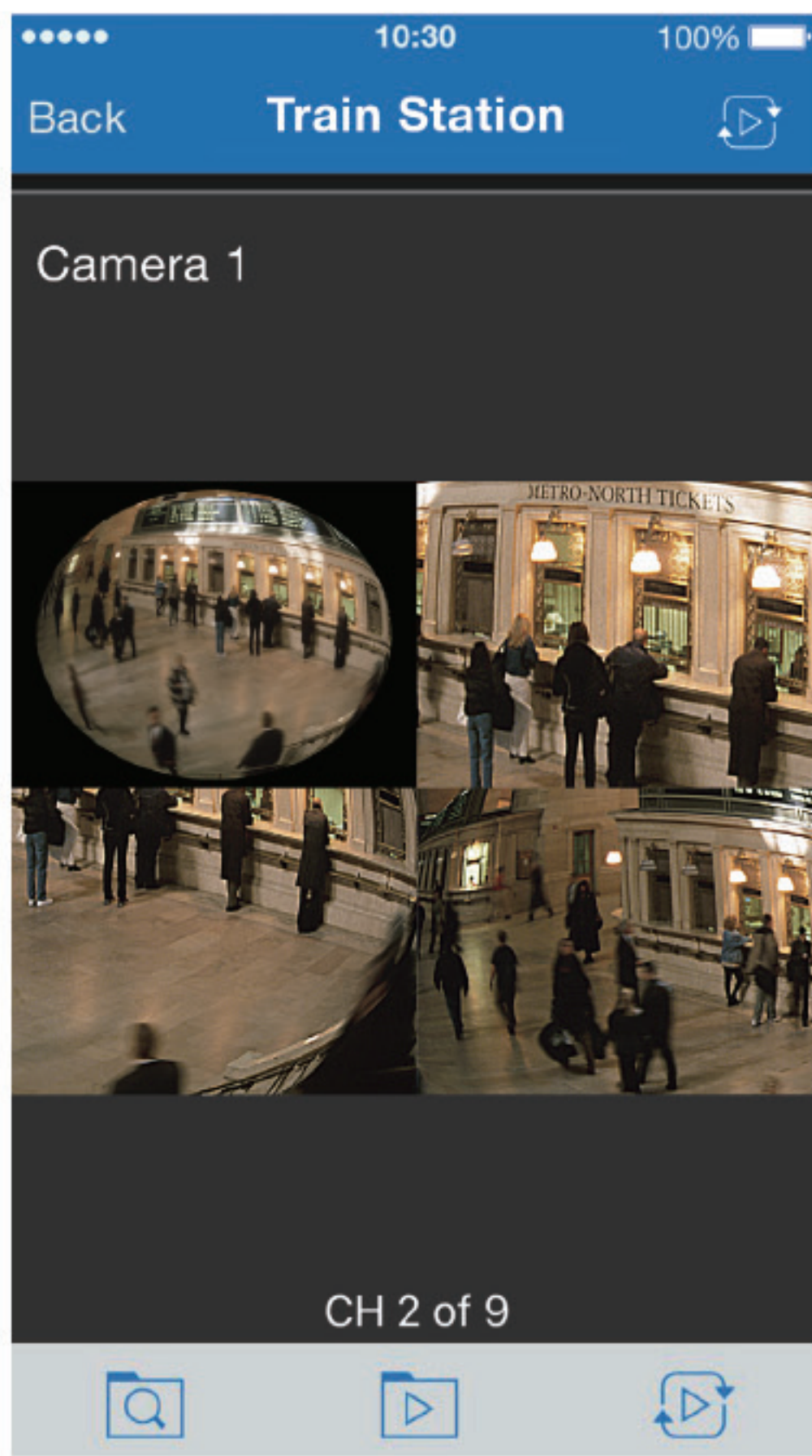
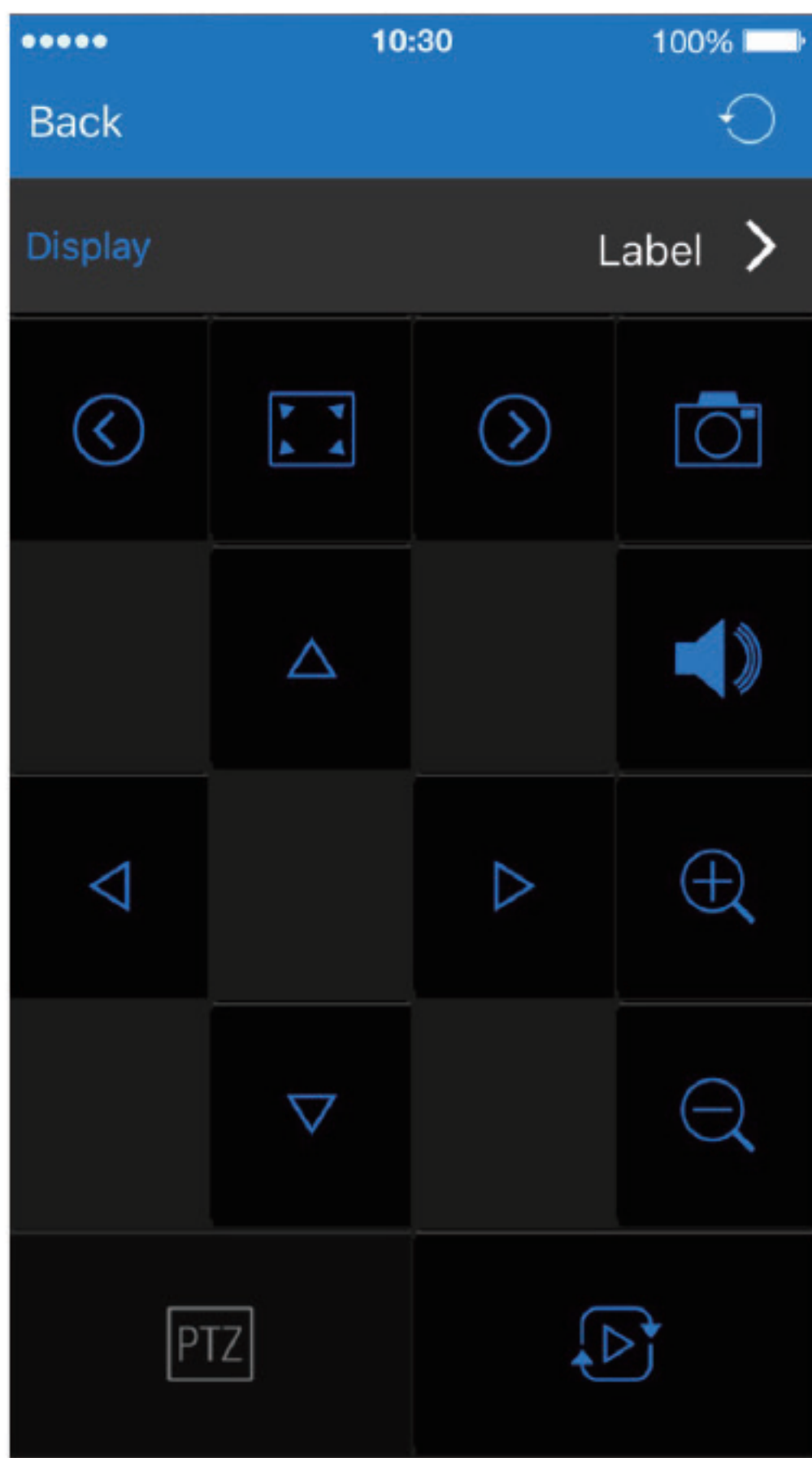
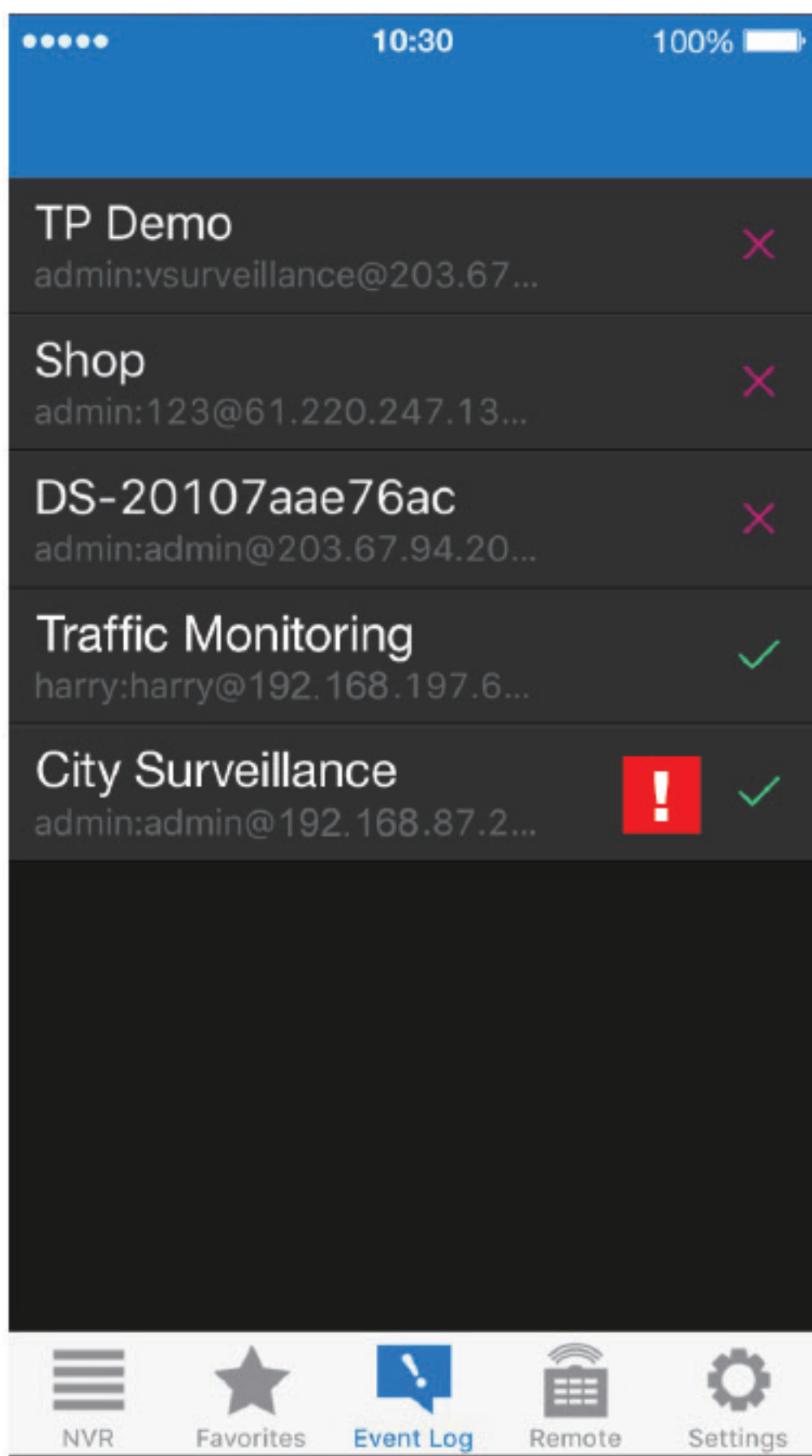
## Reliable and Easy-to-use Surveillance Ability

- Support QoS to prioritize video streaming in network traffic
- Ultra-high backplane capacity for data transmission
- Remotely restart network devices from PoE port management
- Up to 30W per port to power PTZ cameras
- Create large numbers of VLANs for network efficiency
- Built-in SFP cages with optional SFP transceivers for large-scale surveillance environment
- Generate network topology diagram to easily organize the network architecture
- Support dual firmware image to ensure stable operation

## Central Switch Management on DIGIEVER NVR













- Compatible to DIGIEVER NVR with simple installation
- Intuitive web-based configuration: Quickly search and name switches on DIGIEVER NVR
- Configure switch's IP address and restart switch on DIGIEVER NVR
- Intuitive configuration to monitor PoE power consumption
- On/off PoE port to restart PoE network devices from NVR
- Complete port overview to display camera's IP address

Event Log Remote Control Favorites ImmerVision Panomorph Dewarp Push Notification













Specifications

DIGIEVER Enterprise NVR Series			
DIGIEVER NVR	<div>DS-640000-RM UHD</div> <div></div> <div>64-bay 1152-TB</div> <div></div>	<div>DS-560000-RM UHD</div> <div></div> <div>56-bay 1008-TB</div> <div></div>	<div>DS-480000-RM UHD</div> <div></div> <div>48-bay 864-TB</div> <div></div>
Model Name	DS-645512/645256-RM UHD, DS-644256-RM UHD, DS-643256-RM UHD		DS-563256-RM UHD
CPU	Intel Quad Core High Speed CPU x4, Intel Quad Core High Speed CPU x 4, Intel High Speed CPU x4		Intel High Speed CPU x4
Supported Channel Model	Up to 512/256		Up to 256
Operation System	Linux-embedded		
Max. Recording Performance	2600Mbps, 2200Mbps, 1800Mbps		1800Mbps
Support Local Display	Yes (8 x HDMI 2.0a)		Yes (6 x HDMI 2.0a)
H/W Decode Max Resolution per Channel	Up to 12 Megapixel/channel		
Max. Channel Supported on Local Display	Up to 64 channels/page		
H/W Decode Local Display Max. FPS in Single Page	In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 200FPS, Full HD: 500FPS, HD: 960FPS, CIF: 1600FPS		
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, ZIPStream (Depending on camera models)		
Built-in mini-CMS Server Monitoring <sup>1</sup>	Yes (Up to 512 channels)		
Storage Capacity per HDD	Up to 18TB (2.5"/3.5" HDD or SSD)		
Max. iSCSI LUN for Storage Expansion	20	19	15
HDD Tray	64 (Hot Swappable)	56 (Hot Swappable)	48 (Hot Swappable)
Maximum Capacity <sup>2</sup>	Up to 6912TB (NVR: 1152TB + iSCSI LUN: 5760TB)	Up to 6480TB (NVR: 1008TB + + iSCSI LUN: 5472TB)	Up to 5184TB (NVR: 864TB + iSCSI LUN: 4320TB)
Disk Configuration	Linear (JBOD), RAID 0/1/5/6/10		
Built-in Digital Input/Digital Output	16-in, 16-out		12-in, 12-out
Network Port <sup>3</sup>	8 x 2.5 Gigabit Ethernet		6 x 2.5 Gigabit Ethernet
USB Backup	Yes		
USB Connector	Front: 8 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 16 x USB 3.2 Gen 1x1		Front: 6 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 12 x USB 3.2 Gen 1x1
H/W Dimensions	533.6 (H) x 430 (W) x 554 (D) mm 21 (H) x 16.9 (W) x 21.8 (D) inch	489 (H) x 430 (W) x 554 (D) mm 19.3 (H) x 16.9 (W) x 21.8 (D) inch	400.2 (H) x 430 (W) x 554 (D) mm 15.8 (H) x 16.9 (W) x 21.8 (D) inch
DIGIEVER NVR	<div>DS-400000-RM UHD</div> <div></div> <div>40-bay 720-TB</div> <div></div>	<div>DS-320000-RM UHD</div> <div></div> <div>32-bay 576-TB</div> <div></div>	<div>DS-240000-RM UHD</div> <div></div> <div>24-bay 432-TB</div> <div></div>
Model Name	DS-403192-RM UHD	DS-325128-RM UHD, DS-324128-RM UHD, DS-323128-RM UHD	DS-243128-RM UHD
CPU	Intel High Speed CPU x 3	Intel Quad Core High Speed CPU x 2, Intel Quad Core High Speed CPU x 2, Intel High Speed CPU x 2	Intel High Speed CPU x 2
Supported Channel Model	Up to 192	Up to 128	Up to 128
Operation System	Linux-embedded		
Max. Recording Performance	1350Mbps	1300Mbps, 1100Mbps, 900Mbps	900Mbps
Support Local Display	Yes (6 x HDMI 2.0a)	Yes (4 x HDMI 2.0a)	
H/W Decode Max Resolution per Channel	Up to 12 Megapixel/channel		
Max. Channel Supported on Local Display	Up to 64 channels/page		
H/W Decode Local Display Max. FPS in Single Page	In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 200FPS, Full HD: 500FPS, HD: 960FPS, CIF: 1600FPS		
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, ZIPStream (Depending on camera models)		
Built-in mini-CMS Server Monitoring <sup>1</sup>	Yes (Up to 512 channels)		
Storage Capacity per HDD	Up to 18TB (2.5"/3.5" HDD or SSD)		
Max. iSCSI LUN for Storage Expansion	14	10	9
HDD Tray	40 (Hot Swappable)	32 (Hot Swappable)	24 (Hot Swappable)
Maximum Capacity <sup>2</sup>	Up to 4752TB (NVR: 720TB + iSCSI LUN: 4032TB)	Up to 3456TB (NVR: 576TB + iSCSI LUN: 2880TB)	Up to 3024TB (NVR: 432TB + iSCSI LUN: 2592TB)
Disk Configuration	Linear (JBOD), RAID 0/1/5/6/10		
Built-in Digital Input/Digital Output	12-in, 12-out	8-in, 8-out	
Network Port <sup>3</sup>	6 x 2.5 Gigabit Ethernet	4 x 2.5 Gigabit Ethernet	
USB Backup	Yes		
USB Connector	Front: 6 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 12 x USB 3.2 Gen 1x1	Front: 4 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 8 x USB 3.2 Gen 1x1	
H/W Dimensions	355.6 (H) x 430 (W) x 554 (D) mm 14 (H) x 16.9 (W) x 21.8 (D) inch	266.8 (H) x 430 (W) x 554 (D) mm 10.5(H) x 16.9 (W) x 21.8 (D) inch	222.2 (H) x 430 (W) x 554 (D) mm 8.7 (H) x 16.9 (W) x 21.8 (D) inch

Specifications

DIGIEVER NVR Rackmount UHD Series					
DIGIEVER NVR	DS-167000-RM UHD series	DS-16500-RM UHD series	DS-16400-RM UHD series	DS-16300-RM UHD series	
					
	Model Name	DS-167256/224/192/160/128-RM UHD	DS-165128/120/112/104/96/88/80/72/64-RM UHD	DS-16464/56/48/40-RM UHD	DS-16364/56/48/40/36/32/28/24/20/16-RM UHD
	CPU	Intel Octa Core High Speed CPU	Intel Quad Core High Speed CPU		Intel High Speed CPU
	Supported Channel Model	Up to 256/224/192/160/128	Up to 128/120/112/104/96/88/80/72/64	Up to 64/56/48/40	Up to 64/56/48/40/36/32/28/24/20/16
	Operation System	Linux-embedded			
	Max. Recording Performance	650Mbps		550Mbps	450Mbps
	Support Local Display	Yes. 2 x HDMI 2.0a (HDMI①/HDMI②)			
	H/W Decode Max Resolution per Channel	Up to 12 Megapixel/channel			
Max. Channel Supported on Local Display	Up to 64 channels/page				
H/W Decode Local Display Max. FPS in Single Page	In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 200FPS, Full HD: 500FPS, HD: 960FPS, CIF: 1600FPS			In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 120FPS, Full HD: 360FPS, HD: 480FPS, CIF: 960FPS	
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, ZIPStream (Depending on camera models)				
Built-in mini-CMS Server Monitoring <sup>1</sup>	Yes (Up to 512 channels)				
Storage Capacity per HDD	Up to 18TB (2.5"/3.5" HDD or SSD)				
Max. iSCSI LUN for Storage Expansion	5				
HDD Tray	16 (Hot Swappable)				
Maximum Capacity <sup>2</sup>	Up to 1728TB (NVR: 288TB + iSCSI LUN: 1440TB)				
Disk Configuration	Linear (JBOD), RAID 0/1/5/6/10				
Built-in Digital Input/Digital Output	4-in, 4-out				
Network Port <sup>3</sup>	2 x 2.5 Gigabit Ethernet				
USB Backup	Yes				
USB Connector	Front: 2 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 4 x USB 3.2 Gen 1x1				
H/W Dimensions	133.4 (H) x 430 (W) x 554 (D) mm 5.25 (H) x 16.9 (W) x 21.8 (D) inch				
DIGIEVER NVR	DS-8500-RM UHD series	DS-8400-RM UHD series	DS-8300-RM UHD series	DS-8200-RM UHD series	
					
	Model Name	DS-85128/120/112/104/96/88/80/72/64-RM UHD	DS-8464/56/48/40-RM UHD	DS-8364/56/48/40-RM UHD	DS-8264/56/48/40/36/32/28/24/20/16/12/08-RM UHD
	CPU	Intel Quad Core High Speed CPU		Intel High Speed CPU	Intel High Performance CPU
	Supported Channel Model	Up to 128/120/112/104/96/88/80/72/64	Up to 64/56/48/40	Up to 64/56/48/40	Up to 64/56/48/40/36/32/28/24/20/16/12/08
	Operation System	Linux-embedded			
	Max. Recording Performance	650Mbps	550Mbps	450Mbps	400Mbps
	Support Local Display	Yes. 2 x HDMI 2.0a (HDMI①/HDMI②)			
	H/W Decode Max Resolution per Channel	Up to 12 Megapixel/channel			
	Max. Channel Supported on Local Display	Up to 64 channels/page			
	H/W Decode Local Display Max. FPS in Single Page	In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 200FPS, Full HD: 500FPS, HD: 960FPS, CIF: 1600FPS		In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 120FPS, Full HD: 360FPS, HD: 480FPS, CIF: 960FPS	
	Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, ZIPStream (Depending on camera models)			
	Built-in mini-CMS Server Monitoring <sup>1</sup>	Yes (Up to 512 channels)			
	Storage Capacity per HDD	Up to 18 TB (2.5"/3.5" HDD or SSD)			
	Max. iSCSI LUN for Storage Expansion	4			
HDD Tray	8 (Hot Swappable)				
Maximum Capacity <sup>2</sup>	Up to 1296TB (NVR: 144TB + iSCSI LUN: 1152TB)				
Disk Configuration	Linear (JBOD), RAID 0/1/5/6/10				
Built-in Digital Input/Digital Output	4-in, 4-out				
Network Port <sup>3</sup>	2 x 2.5 Gigabit Ethernet				
USB Backup	Yes				
USB Connector	Front: 2 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 4 x USB 3.2 Gen 1x1				
H/W Dimensions	88.8 (H) x 430 (W) x 554 (D) mm 3.49 (H) x 16.9 (W) x 21.8 (D) inch				



















Note1. Built-in mini-CMS server monitoring is not supported on local display interface.  
Note2. The standard system is shipped without HDD.  
Note3. User is advised to connect camers and DIGIEVER NVR with gigabit switch.



Specifications

	DIGIEVER NVR UHD Series			
DIGIEVER NVR	DS-4200-RM UHD series		DS-4200 UHD+ series	
	DS-2200 UHD+ series			
Model Name	DS-4264/56/48/40/36/32/28/24/20/16/8-RM UHD		DS-4236/32/28/24/20/16/12/08/04 UHD+	
CPU	Intel High Performance CPU		Intel Quad-core CPU	
Supported Channel Model	Up to 64/56/48/40/36/32/28/24/20/16/12/08		Up to 36/32/28/24/20/16/12/08/04	
Operation System			Linux-embedded	
Max. Recording Performance	400Mbps		300Mbps	
Support Local Display	Yes. 2 x HDMI 2.0a (HDMI①/HDMI②)		Yes. 2 x HDMI 2.0b (Upper: HDMI①/Lower: HDMI②)	
H/W Decode Max Resolution per Channel			Up to 12 Megapixel/channel	
Max. Channel Supported on Local Display	Up to 64 channels/page		Up to 36 Channels/page	
H/W Decode Local Display Max. FPS in Single Page	In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 120FPS, Full HD: 360FPS, HD: 480FPS, CIF: 960FPS		In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 90FPS, Full HD: 360FPS, HD/D1: 480FPS, CIF: 600FPS	
Video Format			H.265, H.264, MPEG-4, MJPEG, MxPEG, ZIPstream (Depending on camera models)	
Built-in mini-CMS Server Monitoring <sup>1</sup>			Yes (Up to 512 channels)	
Storage Capacity per HDD			Up to 18TB (2.5"/3.5" HDD or SSD)	
Max. iSCSI LUN for Storage Expansion			4	
HDD Tray			4 (Hot Swappable)	
Maximum Capacity <sup>2</sup>			Up to 1224TB (NVR: 72TB + iSCSI LUN: 1152TB)	
Disk Configuration			Linear (JBOD), RAID 0/1/5/6/10	
Built-in Digital Input/Digital Output			4-in, 4-out	
Network Port <sup>3</sup>			Work with DIGI-GPIO Kit (optional purchase)	
USB Backup			2 x 2.5 Gigabit Ethernet	
USB Connector			Yes	
H/W Dimensions			Front: 2 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 4 x USB 3.2 Gen 1x1	
			Front: 1 x USB 3.2 Gen 2x1 (For USB Backup), Rear: 1 x USB 3.2 Gen 2x1, 1 x USB 2.0	
			45.4 (H) x 430 (W) x 548 (D) mm 1.78 (H) x 16.9 (W) x 21.5 (D) inch	
			185.5 (H) x 170 (W) x 230 (D) mm 7.3 (H) x 6.69 (W) x 9.05 (D) inch	
			163.5 (H) x 108 (W) x 230 (D) mm 6.43 (H) x 4.25 (W) x 9.05 (D) inch	
	DIGIEVER In-vehicle NVR Series		DIGIEVER Railway NVR Series	
DIGIEVER Mobile NVR	MN-2100 UHD series		MN-1100 UHD series	
Model Name	MN-2116/12/8/4 UHD		MN-1116/ 12/ 08/ 04 UHD	
CPU			Intel High Performance CPU	
Memory			DDR3 SO-DIMM memory up to 8GB (Pre-install default 4GB)	
Supported Channel			Up to 16/12/8/4	
Operation System			Linux-embedded	
Max. Recording Performance			150Mbps	
Support Local Display			Yes (HDMI/ VGA)	
H/W Decode Max Resolution per Channel			Up to 12 Megapixel /channel	
Max. Channel Supported on Local Display			Up to 16 channels/ page	
H/W Decode Local Display Max. FPS in Single Page			In 4K display (H.265 & H.264 format): Resolution up to 4K (8MP): 30FPS, Full HD: 60FPS, HD: 270FPS, D1: 540FPS	
Video Format			H.265, H.264, MPEG-4, MJPEG, MxPEG, Axis Zipstream ( Depending on camera models)	
Storage Capacity per HDD/ SSD			Up to 8TB (2.5" HDD/ SSD)	
HDD Tray			Up to 2TB (2.5" HDD) or Up to 4TB (SSD)	
Maximum Capacity <sup>2</sup>			Up to 8TB (2.5" HDD/ SSD)	
Disk Configuration			RAID 0/1, Linear(JBOD)	
Built-in Digital Input/Digital Output			JBOD	
Network Port <sup>3</sup>			4-in, 4-out (w/ isolation)	
PoE Port			4-in, 4-out (w/ isolation)	
USB Backup			4 x Gigabit Ethernet (Total 60W)	
GPS			N/A	
Optional Module			Yes	
Power Ignition Module			Yes	
USB Connector			5G/ 4G/ Wi-Fi/ Adapter / GPIO Cable	
Certification			5G/ 4G/ Wi-Fi/ Adapter	
Operating Temperature			5G/ 4G/ Wi-Fi/ Adapter/ GPIO Cable/ M12 to LAN Cable/ M12 to USB Cable	
H/W Dimensions			5G/ 4G/ Wi-Fi/ Adapter/ M12 to LAN Cable/ M12 to USB Cable	
			66.5 (H) x 260 (W) x 196 (D) mm 2.61(H) x 10.23 (W) x 7.72 (D) inch	
			50 (H) x 260 (W) x 196 (D) mm 1.97 (H) x 10.23 (W) x 7.72 (D) inch	
			66.5 (H) x 260 (W) x 196 (D) mm 2.61 (H) x 10.23 (W) x 7.72 (D) inch	
			70 (H) x 260 (W) x 196 (D) mm 2.75 (H) x 10.23 (W) x 7.72 (D) inch	




Specifications

DIGIEVER Failover Server Series					
DIGIEVER Failover Server	DFS-16300-RM series	DFS-8200-RM series	DFS-4200-RM series	DFS-4200 series	
					
					
	Model Name	DFS-16364/32 -RM	DFS-8264/32 -RM	DFS-4264/32-RM	DFS-4236
CPU	Intel High Speed CPU	Intel High Performance CPU		Intel Quad-core CPU	
Supported Channel	64/32 channels			32/20 channels	
Operation System	Linux-embedded				
Storage Capacity per HDD	Up to 18TB (2.5"/3.5" HDD or SSD)				
HDD Tray	16 (Hot Swappable)	8 (Hot Swappable)	4 (Hot Swappable)		
Maximum Capacity <sup>2</sup>	Up to 288TB	Up to 144TB	Up to 72TB		
Disk Configuration	Linear (JBOD), RAID 0/1/5/6/10				
Smart Monitoring	Monitor 4 NVRs by default (Optional up to 16 NVRs by license)				
Failover Recording Mode	1. NVR network disconnection 2. NVR is connected but not recording 3. NVR fails to recycle video files 4. NVR's HDD failed				
NVR Failback	Yes, within one minute				
Advanced Failover Detection	Yes, to set up when to take over				
Local Liveview & Playback	Yes				
Remote Liveview & Playback	Yes				
Mobile Device Monitoring	Yes, iOS and Android device				
Video Export & Backup	Yes, to USB storage device/NAS/FTP server				
USB Connector	Front: 2 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 4 x USB 3.2 Gen 1x1			Front: 1 x USB 3.2 Gen 2x1 (For USB Backup), Rear: 1 x USB 3.2 Gen 2x1, 1 x USB 2.0	
Network Port <sup>3</sup>	2 x 2.5 Gigabit Ethernet			2 x 2.5 Gigabit Ethernet	
H/W Dimensions	133.4 (H) x 430 (W) x 554 (D) mm 5.25 (H) x 16.9 (W) x 21.8 (D) inch	88.8 (H) x 430 (W) x 554 (D) mm 3.49 (H) x 16.9 (W) x 21.8 (D) inch	45.4 (H) x 430 (W) x 548 (D) mm 1.78 (H) x 16.9 (W) x 21.5 (D) inch	185.5 (H) x 170 (W) x 230 (D) mm 7.3 (H) x 6.69 (W) x 9.05 (D) inch	
DIGIEVER Backup Server Series					
DIGIEVER Backup Server	DBS-16300-RM series	DBS-8200-RM series	DBS-4200-RM series	DBS-4200 series	DBS-2200 series
					
					
	Model Name	DBS-16364/32-RM	DBS-8264/32-RM	DBS-4264/32-RM	DBS-4236
CPU	Intel High Speed CPU	Intel High Performance CPU		Intel Quad-core CPU	
Supported Channel	64/32 channels			36 channels	24 channels
Operation System	Linux-embedded				
Storage Capacity per HDD	Up to 18TB (2.5"/3.5" HDD or SSD)				
HDD Tray	16 (Hot Swappable)	8 (Hot Swappable)	4 (Hot Swappable)		2 (Hot Swappable)
Maximum Capacity <sup>2</sup>	288TB	144TB	72TB		36TB
Video Format	AVI format				
File Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, ZIPstream (Depending on camera models)				
Video Backup Schedule	Yes, Define by camera channel				
Automatic Recycle	(1) Max. days of each camera (2) Total capacity percentage				
Disk Management	Linear (JBOD), RAID 0/1/5/6/10				Linear (JBOD), RAID 0/1
S.M.A.R.T HDD Health Monitoring	Yes				
Local Playback	1/4/5/9/16-channel simultaneous playback				
Remote Multi-server Playback	Up to 16 channels from multiple backup servers				
Playback via Mobile App	Yes, via DIGIMobile V2 (iOS & Andriod)				
Video Export	Yes, export to USB storage device				
USB Connector	Front: 2 x USB 3.2 Gen 1x1(For USB Backup), Rear: 4 x USB 3.2 Gen 1x1			Front: 1 x USB 3.2 Gen 2x1 (For USB Backup), Rear: 1 x USB 3.2 Gen 2x1, 1 x USB 2.0	
Network Port <sup>3</sup>	2 x 2.5 Gigabit Ethernet				
H/W Dimensions	133.4 (H) x 430 (W) x 554 (D) mm 5.25 (H) x 16.9 (W) x 21.8 (D) inch	88.8 (H) x 430 (W) x 554 (D) mm 3.49 (H) x 16.9 (W) x 21.8 (D) inch	45.4 (H) x 430 (W) x 548 (D) mm 1.78 (H) x 16.9 (W) x 21.5 (D) inch	185.5 (H) x 170 (W) x 230 (D) mm 7.30 (H) x 6.69 (W) x 9.05 (D) inch	163.5 (H) x 108 (W) x 230 (D) mm 6.43 (H) x 4.25 (W) x 9.05 (D) inch

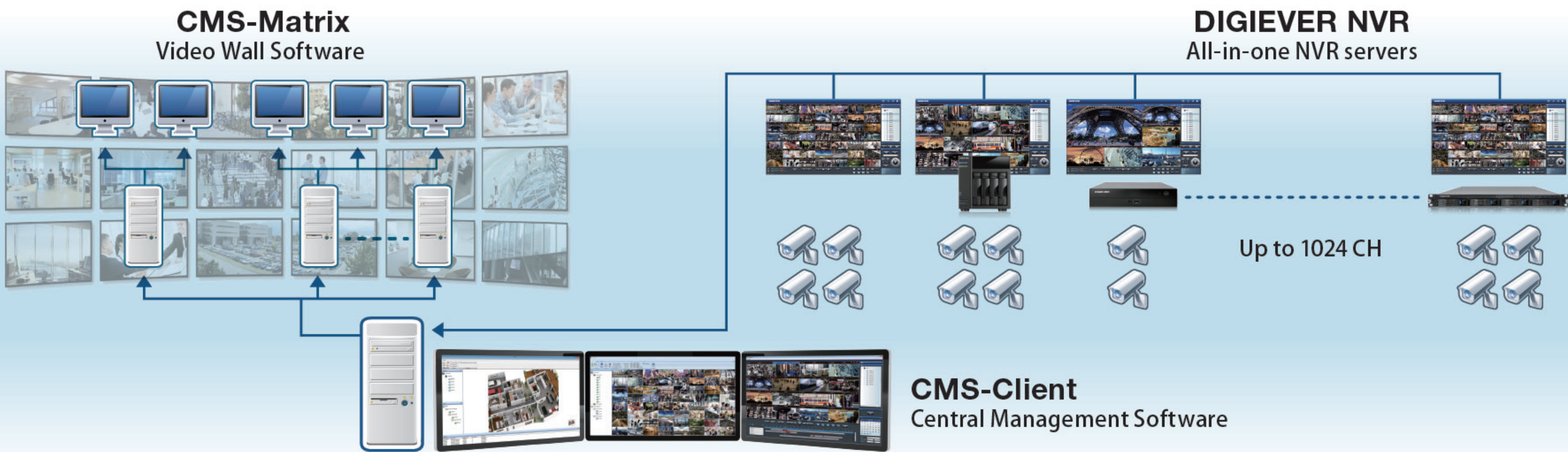
Note1. Built-in mini-CMS server monitoring is not supported on local display interface.  
Note2. The standard system is shipped without HDD.  
Note3. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.



Specifications

DIGIEVER iSCSI Server Series				
DIGIEVER iSCSI Server	<div>IDS-T16100-RM</div> <div></div>	<div>IDS-T8100-RM</div> <div></div>	<div>IDS-T4100-RM</div> <div></div>	
	Model Name	IDS-T16100-RM	IDS-T8100-RM	IDS-T4100-RM
	CPU	Intel High Speed CPU	Intel High Performance CPU	
	Operation System	Linux-embedded		
	Storage Capacity per HDD	Up to 18TB (2.5"/3.5" HDD or SSD)		
	HDD Tray	16 (Hot Swappable)	8 (Hot Swappable)	4 (Hot Swappable)
	Maximum Capacity <sup>2</sup>	Up to 288TB	Up to 144TB	Up to 72TB
	Disk Configuration	Linear (JBOD), RAID 0/1/5/6/10		
	S.M.A.R.T HDD Health Monitoring	Yes		
	Maximum LUN Number	Up to 6 LUNs for DIGIEVER NVR	Up to 5 LUNs for DIGIEVER NVR	
Multi-RAID Number	Up to 3 volumes	Up to 2 volumes		
USB Connector	Front: 2 x USB 3.2 Gen 1x1 (For USB Backup), Rear: 4 x USB 3.2 Gen 1x1			
Network Port <sup>3</sup>	2 x 2.5 Gigabit Ethernet			
Two LAN Port Applications	Shared IP, Separated IP, Link Aggregation			
H/W Dimensions	133.4 (H) x 430 (W) x 554 (D) mm 5.25 (H) x 16.9 (W) x 21.8 (D) inch	88.8 (H) x 430 (W) x 554 (D) mm 3.49 (H) x 16.9 (W) x 21.8 (D) inch	45.4 (H) x 430 (W) x 548 (D) mm 1.78 (H) x 16.9 (W) x 21.5 (D) inch	
Optional	Redundant Power Supply with Hot-plug design		N/A	

Note1. Built-in mini-CMS server monitoring is not supported on local display interface.  
Note2. The standard system is shipped without HDD.  
Note3. User is advised to connect camers and DIGIEVER NVR with gigabit switch.



Specifications

CMS-Client (Central Management Software)	
Liveview	
Max. Channels	Manage up to 1,024 channels with multiple DIGIEVER NVRs, and display up to 64-channel liveview* on single liveview page for any important channel
User Privilege Management	Up to 5 privilege levels for different accounts: administrator, power user, user, operator and guest
Multi-account Management	Create account association between CMS and NVRs. One CMS account can directly access NVR servers
Customized Display Mode	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8, 9x9, 10x10, 11x11, 12x12, full screen, user-defined, ROI (Region of Interest)
Advanced Image Rotation	Allow users to easily rotate liveview channel to 90°, 180°, or 270° degree
Immervision Panomorph	Select suitable camera position (Ceiling, Ground, Wall) and display mode (PTZ, Quad, Parameter) for liveview monitoring
Smart Stream Optimization	Automatically adjust streaming quality, according to the different liveview display modes, to perform the best liveview quality
Group Management	Add favorite camera to customized group to display sequentially and to execute group playback
Highlight Video Window	Immediately highlight video channel with red frame to indicate event situation
Event Log History	A detail list of event history to check event information
Event Log Instant Playback	Quickly view event video via clicking play button on event panel
Liveview Instant Playback	Immediately check earlier suspicious behavior via right-click on liveview channel
Device Name Search	Quickly find managed NVR and camera by entering keyword
Save/Load Configuration	Export configuration file on PC and load it to other PC to speed up CMS deployment
E-Map	
Multi-layer Dynamic Maps	Build up multi-layered interactive maps to quickly locate trouble zones in a comprehensive overview
Intuitive E-map Indicator	Change camera icon to desired type, color, size and direction
Multiple Image Formats Support	Upload maps in BMP, GIF, JPEG and PNG formats with no limitation of image size
Video Pop-out Window	Change to corresponding E-map instantly with a pop-out video window when event happens,including Camera Motion, Camera Digital Input, and NVR Digital Input event
E-map thumbnail links	Quickly access to other related maps to locate camera detail location from different aspects of maps
Camera Location Search	Direct users to E-map layer and pop out a video to let users check camera current situation by double-clicking the camera on device panel
Map Sync Server	synchronize E-map settings for diverse CMS-Client via external FTP server
Playback	
Multi-channel Playback	Maximum 16-channel simultaneous playback
Search Methods	Search by date, time and recording type(normal, event, video clip, recovery, time overlap)
Playback Control	Rewind, slow motion, fast forward, frame by frame playback and ROI (Region of Interest)
Smart Search	Five quick search modes: Motion Detection, Foreign Object Detection, Missing Object Detection, Loss Focus, and Camera Tampering Detection. Double click on smart search result to start playing the video
Dewarping Methods	Support Immervision panomorph and various de-warping methods
Video Export and Snapshot	Export video files and take snapshots to save any videos found in investigation
Video Wall Configuration (with CMS-Matrix**)	
Multi-Monitor Settings	Display monitor identification number on each monitor allowing users to assign suitable layout for diverse surveillance purposes
Flexible User-defined Layout	Create various styles of layout through user-defined layout tool
Sequential Setting	Enable sequential mode to display several layouts
Video Wall Setting Preview	Remotely preview video wall on CMS-Clients to speed up the video wall configuration
Dual-Stream Support	Manually choose stream 1 or stream 2 for each channel to save bandwidth
Restore Point	Restore previous monitor/layout setting when accidentally unplugged monitor's video output

CMS-Matrix (Video Wall Software)	
Flexible Monitors Scalability	Depend on display cards installed on PC
Monitor Availability	Execute command from CMS-Client to control the availability of monitors
Monitor Identification	Execute command from CMS-Client to display monitor identification number on screen
Save Current Monitor/Layout Settings	Restore previous monitor setting when reconnected to a monitor or be restarted
Highlight Video Window	Highlight liveview video window in red frame
Recording Status	Update recording status on video wall

\*For more than 64 CH liveview at the same time, it is suggested to use CMS-Matrix as liveview video wall.  
\*\*CMS-Matrix is optional.






Specifications

	DIGIEVER Streaming Server
	<div>SS-7100-RM</div> <div></div>
DIGIEVER Streaming Server	
CPU	Intel i7 High Performance Processor
Operation System	Linux-embedded
Supported Channel	128
Dual-streaming per Channel	Yes
Forwarding Performance	4K with 6M bitrate: 160 streams, Full HD with 4M bitrate: 350 streams, HD with 2M bitrate: 600 streams, CIF with 512K bitrate: 1000 streams
Maximum Number of Account	Up to 1024
User Privilege	Administrator, Power user and User
Two LAN Port Applications	Shared IP, Separated IP, Link Aggregation
Video Format	H.265, H.264, MxPEG, MJPEG, ZIPStream (Depending on camera models)
Supported Camera Resolution	Resolution up to 12 Megapixel per channel (H.264)
Remote Liveview	Yes, with multi-layer e-maps, pop-out event window, and double-clicking to have adjustable large pop-out window
Max. clients to access one camera	Up to 128
Remote Playback (cameras are added from NVR)	Yes, retrieve up to 3-day 16-channel simultaneously playback
Network Port	2 x 2.5 Gigabit Ethernet
USB Connector	Rear: 4 x USB 3.2 Gen 1x1
Video Output Connector	2 x HDMI 2.0a (For local configuration)
Built-in Digital Input/Digital Output	4-in, 4-out
H/W Dimensions	44.4 (H) x 430 (W) x 348 (D) mm 1.7 (H) x 16.9 (W) x 13.7 (D) inch
	Video Wall Station
	<div>VD UHD+ series</div> <div></div>
Video Wall Station	
Model Name	VD-0036/25 UHD+
Supported Channel Model	Up to 36/25
Display Modes	1/2/3/4/5/6/8/9/10/12/16/20/25/30/32/36 & 5+1/12+1-channel & sequential and full screen
Video output connector	Yes. 2 x HDMI 2.0b
H/W Decode Max. Resolution per Channel	Resolution up to 12 Megapixel (H.265 & H.264)
Local Display Resolution	(1) HDMI 2.0 display port (HDMI①): 3840 x 2160 (4K UHD), 1920 x 1080 (Full HD), 1024 x 768 (XGA) (2) HDMI 2.0 display port (HDMI②): 1920 x 1080 (Full HD), 1024 x 768 (XGA)
H/W Decode Local Display Max.FPS in Single Page	In 4K display (H.265 & H.264 format): 4K (8MP): 60FPS, Full HD/ HD/ D1: 480FPS, CIF: 540FPS
Video Compression Format	H.265, H.264, MJPEG, MxPEG, ZIPStream
CPU	Intel Quad-core High Performance CPU
Directly Connect to Camera	Yes. Support Integrated Cameras, ONVIF and Generic RTSP/MJPEG
USB Connector	Front: 1 x USB 3.2 Gen 2x1, Rear: 2 x USB 3.2 Gen 2x1 (For keyboard & mouse and USB dongle )
Audio	Yes
Network Port <sup>3</sup>	2 x 2.5 Gigabit Ethernet
Remote Controller	Yes, via Mobile App - DIGIMobile V2 (iOS & Andriod)
H/W Dimensions	177 (H) x 44 (W) x 219 (D) mm 6.96 (H) x 1.73 (W) x 8.62 (D) inch

Note1. Built-in mini-CMS server monitoring is not supported on local display interface.  
Note2. The standard system is shipped without HDD.  
Note3. User is advised to connect camers and DIGIEVER NVR with gigabit switch.

All designs and specifications are subject to change without prior notice.

Specifications

DIGIEVER PoE Switch	SW-2421FM-250	SW-1621FM-250	SW-0821FM-120
			
Ports			
10/100/1000M RJ45 POE Ports	24	16	8
10/100/1000M RJ45 Uplink Port (Exclusive)	2	2	2
100/1000Base-X SFP Uplink Port	2	2	2
10/100/1000M RJ45 Uplink Port (Inclusive)	0	0	0
Command Line Port	1	1	1
Performance			
Backplane Capacity	52Gbps	36Gbps	20Gbps
Forwarding Rate	38.68Mpps	26.78Mpps	14.88Mpps
PoE			
IEEE 802.3 af/at Standard Compatible	o	o	o
Number of PoE Port	24	16	8
Max. Power Budget (PoE ports)	250W	250W	120W
Max. PoE Output Power per Port (Adjustable)	30W	30W	30W
Power Device (PD) Auto Detection	o	o	o
Enable/Disable PoE per Port	o	o	o
Overloading Protection	o	o	o
Priority Setting per Port	o	o	o
Power Level Setting per Port	o	o	o
Layer 2+ Features			
Auto-negotiation	o	o	o
Auto MDI/MDIX	o	o	o
Flow Control (802.3x in full-duplex and Back-Pressure in half-duplex)	o	o	o
Spanning Tree	o	IEEE 802.1D (STP), IEEE 802.1W (RSTP), IEEE802.1S (MSTP)	
Link Aggregation (Static Trunking)	13	o	5
Max. LACP Link Aggregation Group	8	9	8
Max. Port per Link Aggregation Group	o	8	o
IGMP Snooping (IPv4 Multi-cast v1/v2/v3)	o	o	o
IPv6 MLD Snooping (IPv6 Multi-cast v1/v2)	4095	o	4095
VLAN Group (Port-based)	4095	4095	4095
VLAN Group (Tag-based)	o	4095	o
Protocol-based VLAN	o	o	o
Voice VLAN	o	o	o
Multicast VLAN Registration (MVR)	o	o	o
QoS			
CoS (via IP DSCP and IEEE 802.1p)	o	o	o
Number of Priority Queue	8	8	8
Rate Limiting (Ingress, Egress, Per Port)	o	o	o
Priority Queue Scheduling (WRR, DSCP & Class of Service)	o	o	o
Security			
IEEE 802.1x	o	o	o
SSL	o	o	o
SSH	o	o	o
Port Security	o	o	o
IP Source Guard	o	o	o
RADIUS/TACACS+	o	o	o
Storm Control	o	o	o
Loop Detection	o	o	o
Web-based			
Web-based Management	o	o	o
Firmware Upgrade via HTTP	o	o	o
Configuration Download/Upload	o	o	o
Ping	o	o	o
LLDP (Link Layer Discovery Protocol)	o	o	o
Port Mirroring	o	o	o
Dual Firmware Images	o	o	o
NTP	o	o	o
SNMP (v1/v2c/v3)	o	o	o
RMON (Remote Network Monitoring)	o	o	o
DHCP	o	o	o
UPnP	o	o	o
S-Flow (Sampled Flow)	o	o	o
Hardware			
Dimensions (H*W*D)	44 x 440 × 331 mm 1.73 x 17.32 x 13.03 inch	44 x 330 x 210 mm 1.73 x 12.99 x 8.27inch	





# DIGIEVER

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