



DIGIEVER

— EMPOWER YOUR VISION —

• CMS-Matrix



CMS-Client •



Streaming Server



NVR | Failover Server | Backup Server

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 continents.



Compatible Camera Brands and Technical Alliance Partners



Compatible UPS Brands



Compatible Access Control Brands



Technical Alliance



Table of Contents

Company Overview	01
Compatible Network Camera Brands and Partners	02
Table of Contents	03
DIGIEVER IP Video Surveillance Architecture	04
PC-less Linux Standalone NVR Structure	06
DG-Decode: DIGIEVER Hardware Decode Technology.....	08
People Counting Solution	10
License Plate Recognition Solution	12
Feature: DIGIEVER NVR	14
Feature: Failover Server	28
Feature: Backup Server	30
Feature: iSCSI Server.....	31
Feature: DIGIARRAY.....	32
Feature: Mobile NVR	33
Feature: DIGIEVER CMS	34
Feature: Streaming Server	42
Feature: Video Wall Station	43
Feature: DIGIMobile V2	44
Feature: Industrial PoE Switch.....	45
Specification: Enterprise NVR	46
Specification: NVR Pro+ & H.265 UHD Series	48
Specification: NVR Lite Series & Mobile NVR	49
Specification: Failover Server & Backup Server	50
Specification: iSCSI Server & DIGIARRAY	51
Specification: DIGIEVER CMS	52
Specification: Streaming Server & Video Wall Station	53
Specification: Enterprise PoE Switch	54

CMS-Server
Manage DIGIEVER NVRs

DIGIEVER NVR
Camera recording, monitoring, playback and management

Failover Server
Take over DIGIEVER NVR for emergency

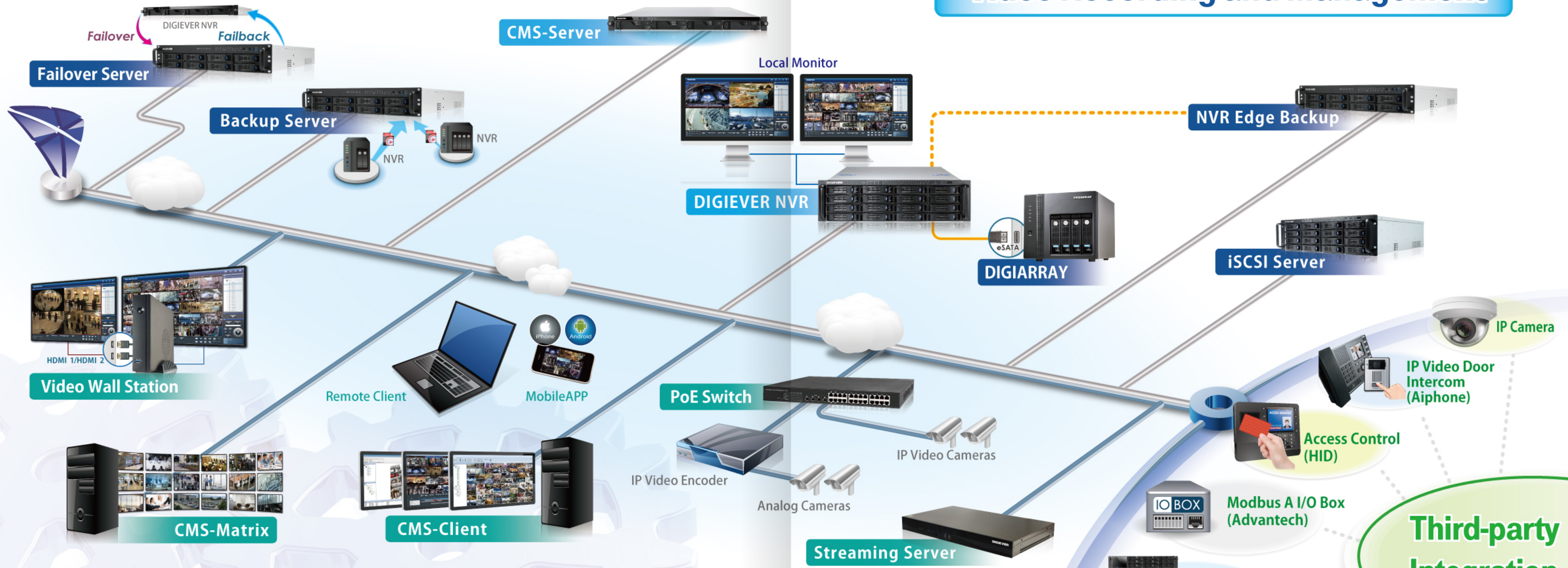
Backup Server
Centrally backup IP cameras from diverse DIGIEVER NVRs

DIGIARRAY
Directly backup videos via eSATA with no limitation of network bandwidth
Storage expansion for extra storage needs

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

NAS Backup
Remote backup to NAS

Third-party Integration

Real-time Local Display

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

Monitor 1 (HDMI) | Monitor 2 (VGA) | HDMI/VGA

Remote Monitoring

Dynamic E-map | Remote Liveview | Remote Playback

NVR Client

Mini-CMS Server Monitoring

- Up to 256 channels
- Simultaneously monitor other remote NVR sites

Office 1 (DS-2100 UHD NVR) | Office 2 (DS-4100 UHD NVR)

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

Analog Input: Temperature, Voltage, Humidity, Audio level

Digital Input: Smoke detector, Fire alarm, Door

Analog Output: Fan speed control, Brightness control

Digital Output: Light, Alarm, Door/Gateway

Storage Expansion Box

- Multi-volume storage management
- Hardware RAID with HDD Hot-swap design
- Expand up to 64TB with 4HDDs per DIGIARRAY

eSATA | DIGIARRAY | DIGIARRAY

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
- Built-in NVR backup server
- Built-in DHCP server
- Built-in NTP server
- Built-in SNMP server

Intranet Internet

Uninterruptible Power Supply | UPS | 24/7 service

iSCSI Server

- N+M Storage Expansion Architecture
- Directly playback its video on DIGIEVER NVR
- One iSCSI server supports up to 3 NVRs

NVR | 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

NVR Failover 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

Card	Name
00112	Mike
00139	Patty
00643	Mary
00649	John

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

CMS-Matrix | CMS-Client

Video Wall Station

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

Video Wall Station | Monitor 1 (HDMI) | Monitor 2 (HDMI 2)

NVR Backup Server

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

DIGIEVER NVR Site A | NVR Backup Server | DIGIEVER NVR Site B

Remote Backup

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

NAS

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)

Main Control Room | SNMP | SNMP Trap | DIGIEVER NVR

Central PoE Switch Management

- Complete PoE port information
- Easily restart IP cameras

NVR | CMS | IP-CAM

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 Detail 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

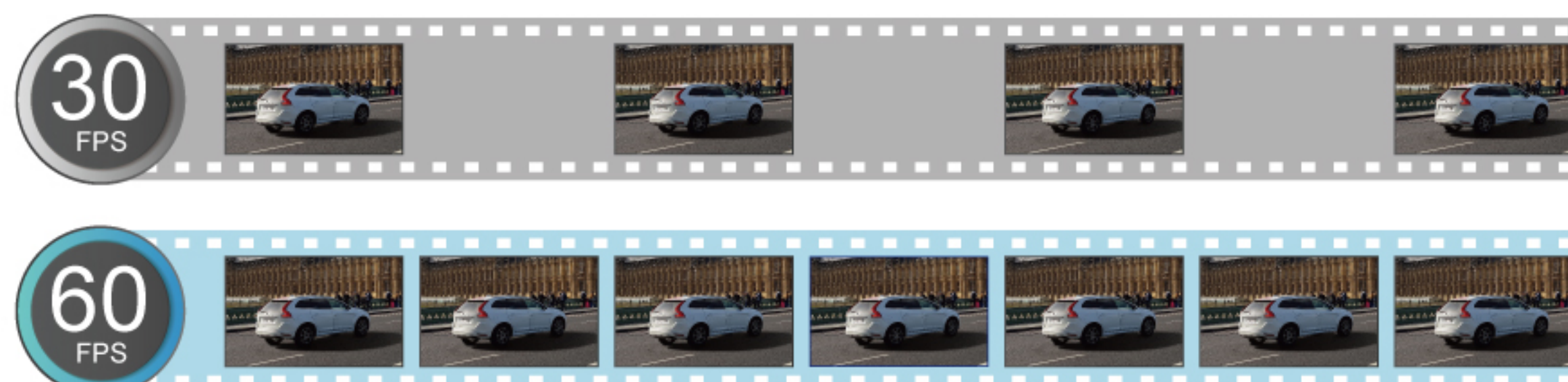


Remarkable Display Ability

[Capture Each Moment for Identification](#)

DG-Decode can decode up to 60fps 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

The World's 1st 64ch Real-time Local Display Linux

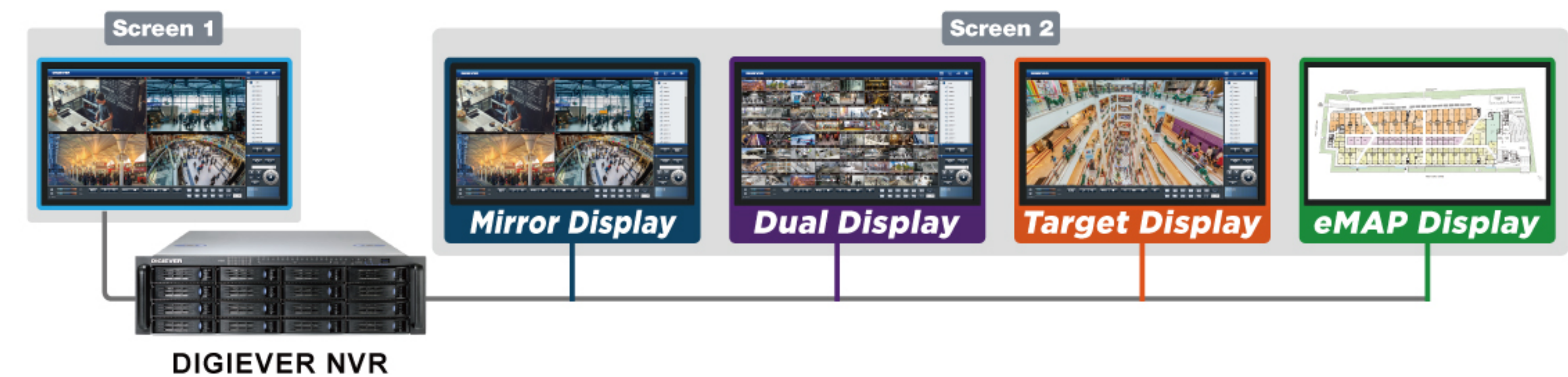


64ch Real-time Local Display

[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/VGA connector, you can have up to 64-channels real-time video monitoring to monitor your region.

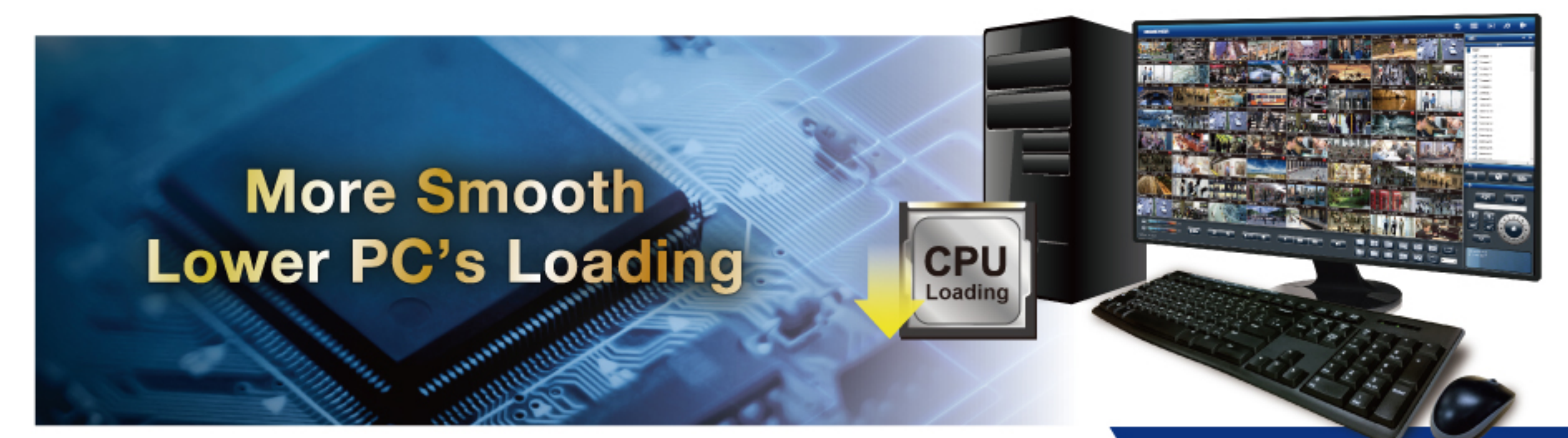
- Cost-effective Linux-embedded PC-less solution
- Simultaneously display real-time streaming from 64 cameras
- Continuously keep your eyes on your areas to detect and respond to threats
- Reduce the potential losses caused from the interval of sequential monitoring



Smooth Remote Monitoring

[Smoothly Remote Monitoring Anytime, Anywhere](#)

DG-Decode performs excellent decoding technology to offer you a perfect monitoring and playback experience that can deliver amazing smooth videos by largely decrease PC's display loading.



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.



- Real-time Traffic Number while Monitoring
- User-defined Interval to Collect Traffic Data
- Peak Time Notice
- Smart Data Analysis

In:10000 Out:20

Peak Time Notice

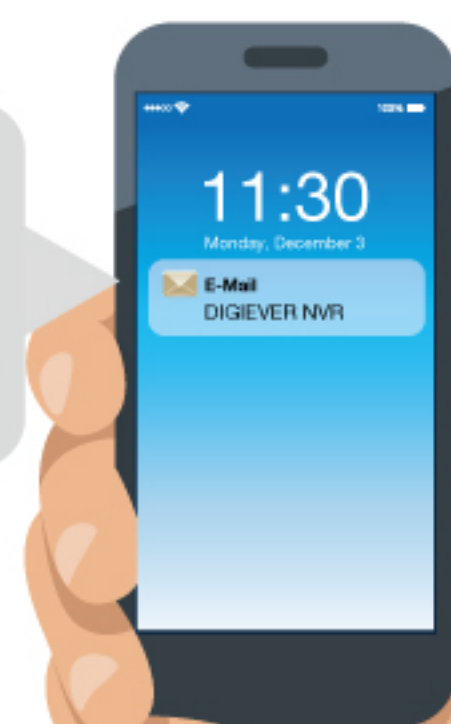
DIGIEVER NVR can notify users of peak sales time by setting up people counting threshold notice.

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

2018/11/06 11:30
Reach 10000 people



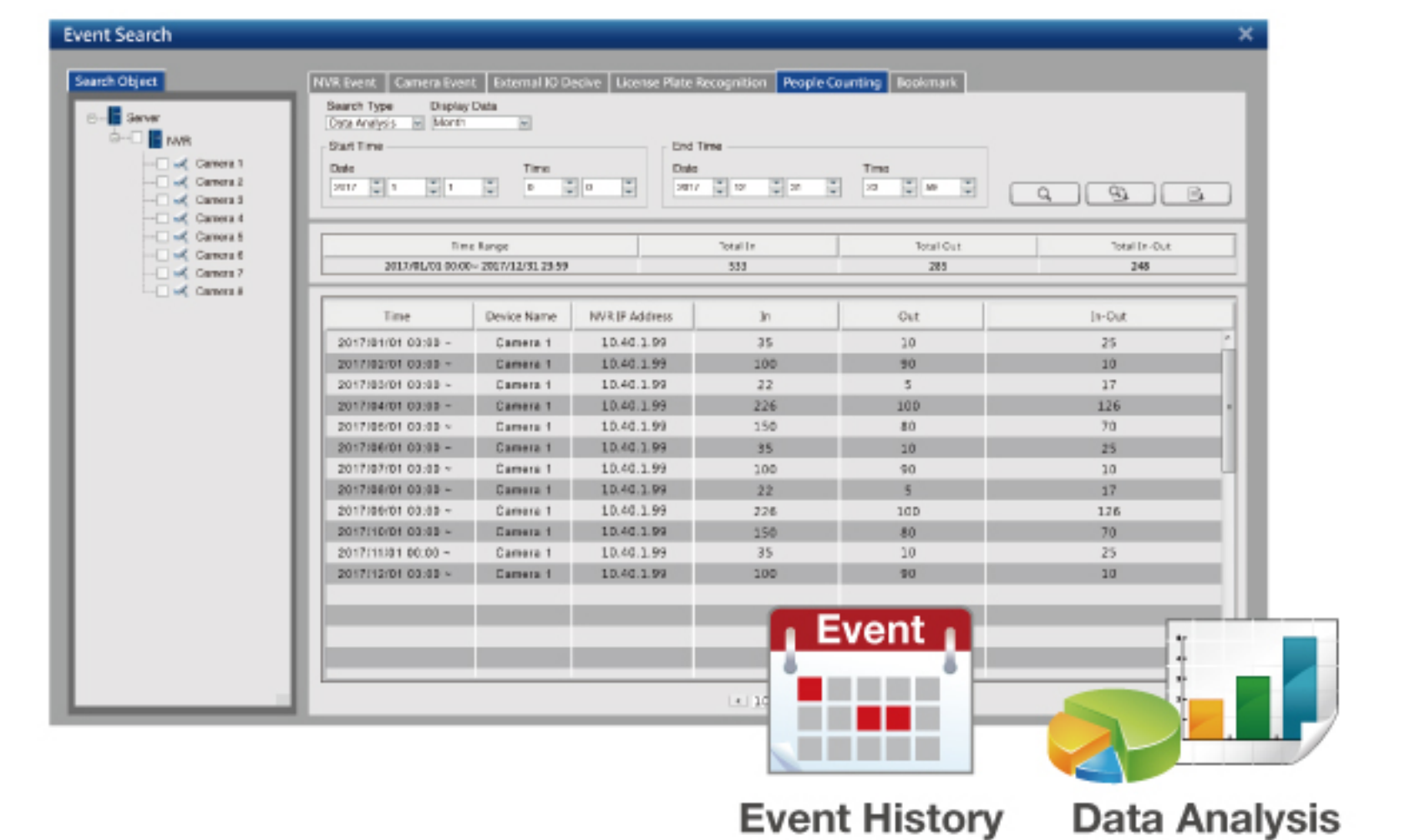
4K UHD H/W DECODE 4K UHD DISPLAY H.265 SUPPORT intel inside



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 Mall



Restaurant



Mobile Vehicle

License Plate Recognition Solution with DIGIEVER NVR

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



4KUHD H/W DECODE 4KUHD DISPLAY H.265 SUPPORT intel inside

Real-time Monitoring

The camera detects and recognizes license plate number of moving vehicles. Users can monitor up to 64-channel live video on DIGIEVER NVR.



Keyword Search for Car Plate Recognition

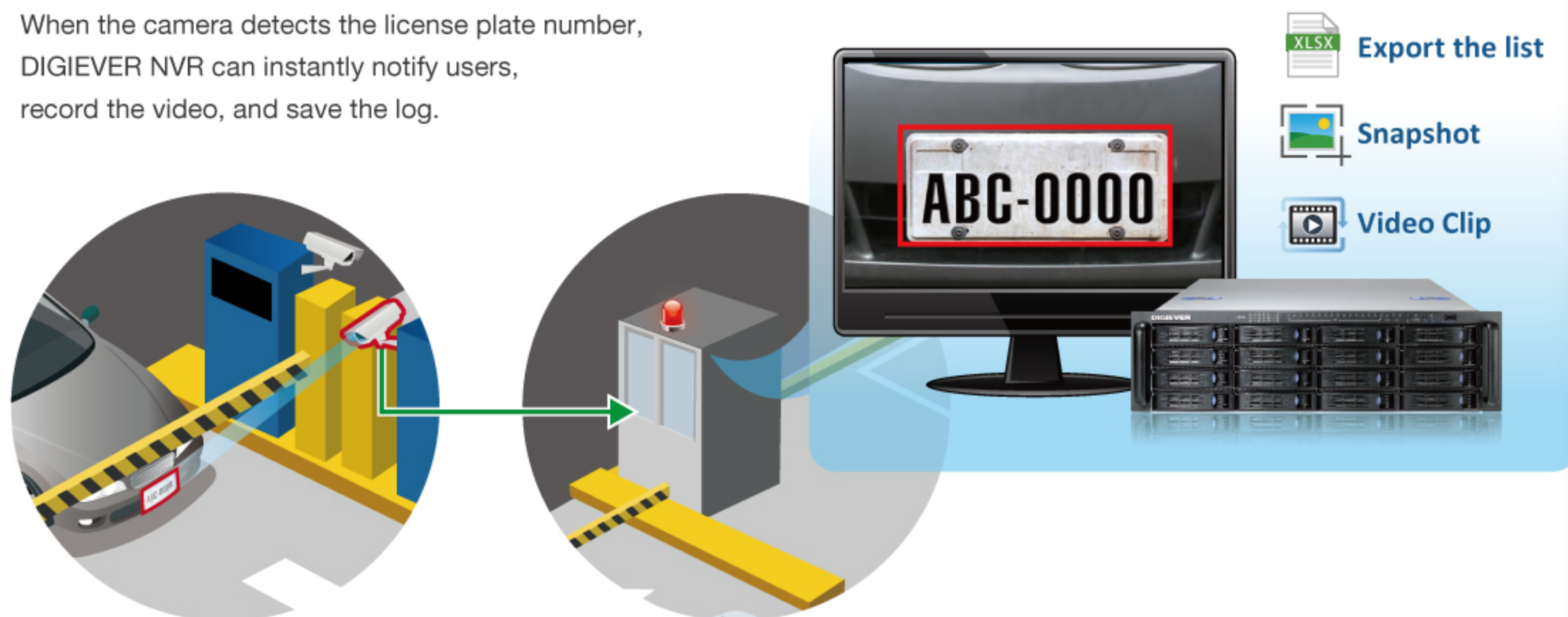
For vehicle tracking purpose, DIGIEVER NVR features data search allowing users to enter license plate number to quickly find the record, snapshot and video with that license plate number. Users can also use keyword search to find relevant license plate if some license plate number are unknown.

Time	Device Name	NVR IP Address	Car Number	Snapshot	Video
2018/05/29 11:05:22	East Parking Lot	10.40.1.99	ABC1111		
2018/05/29 12:22:22	South Parking Lot	10.40.1.99	ZABC111		
2018/05/29 14:38:17	South Parking Lot	10.40.1.99	ZDABC		

* Note: Camera is needed to support car plate recognition and integrated with DIGIEVER NVR.

Smart Analysis

When the camera detects the license plate number, DIGIEVER NVR can instantly notify users, record the video, and save the log.



Popular Applications

During real-time high resolution monitoring, DIGIEVER NVR also provides a smart license plate platform solution that helps users to keep track of the car number for customer analysis, such as their times of arrival, the type of car they drive.



Parking Lot



City Surveillance

DIGIEVER NVR

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

4KUHD H/W DECODE **4KUHD** DISPLAY **H.265** SUPPORT **intel** inside

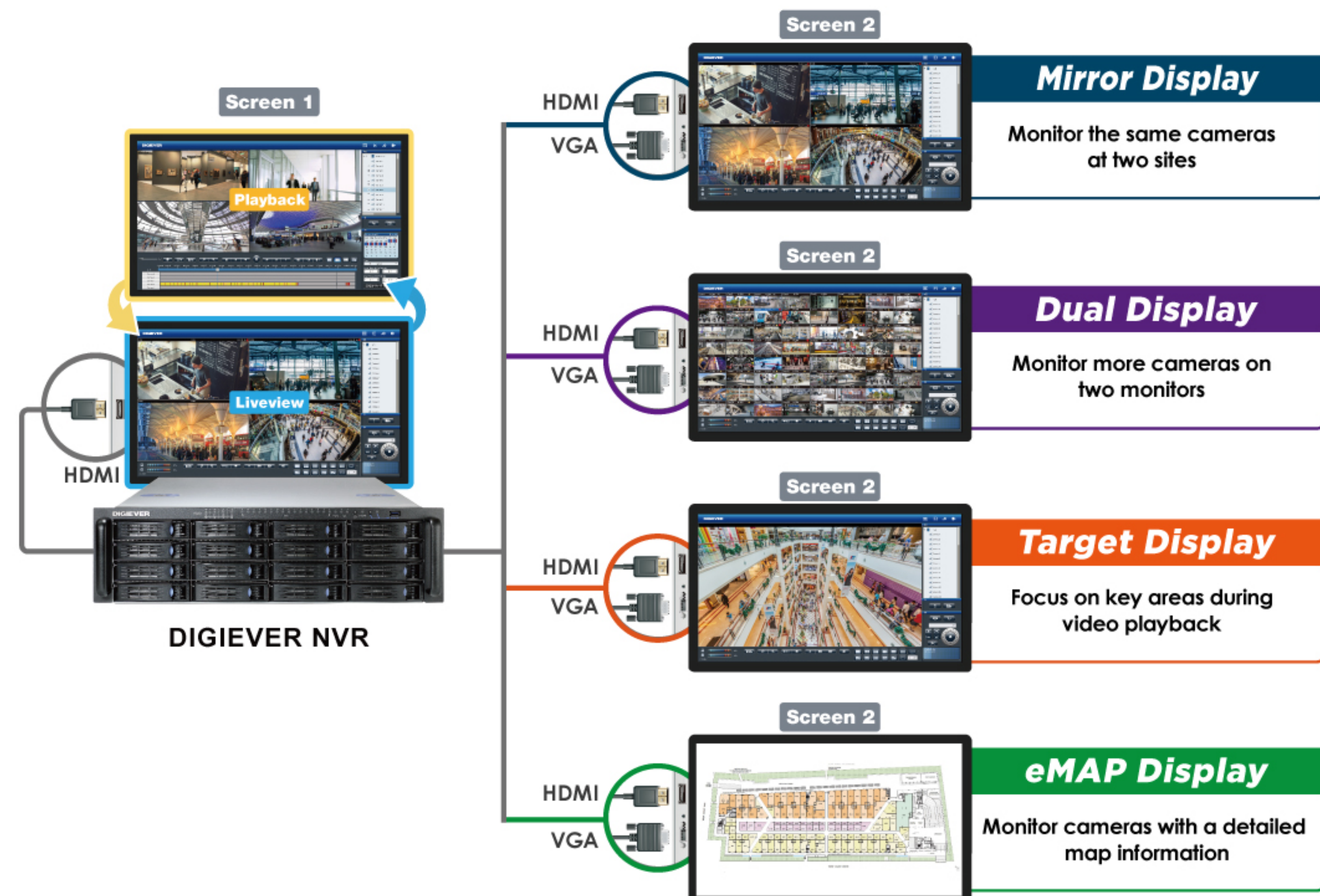


Real-time Liveview Local Display

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

Marvelous PC-less Solution

Via HDMI/ VGA 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 256 channels
- Support 120FPS camera recording and monitoring
- Built-in NVR relay server
- YouTube/ Facebook Live
- Multi-layer dynamic E-map (Pop-out event window, event log history, event instant playback)
- Support ImmerVision panamorph dewarp
- Support Region of Interest (ROI)
- Instant playback on liveview
- Multi-window operation
- Remote monitor and playback via independent application on Window OS

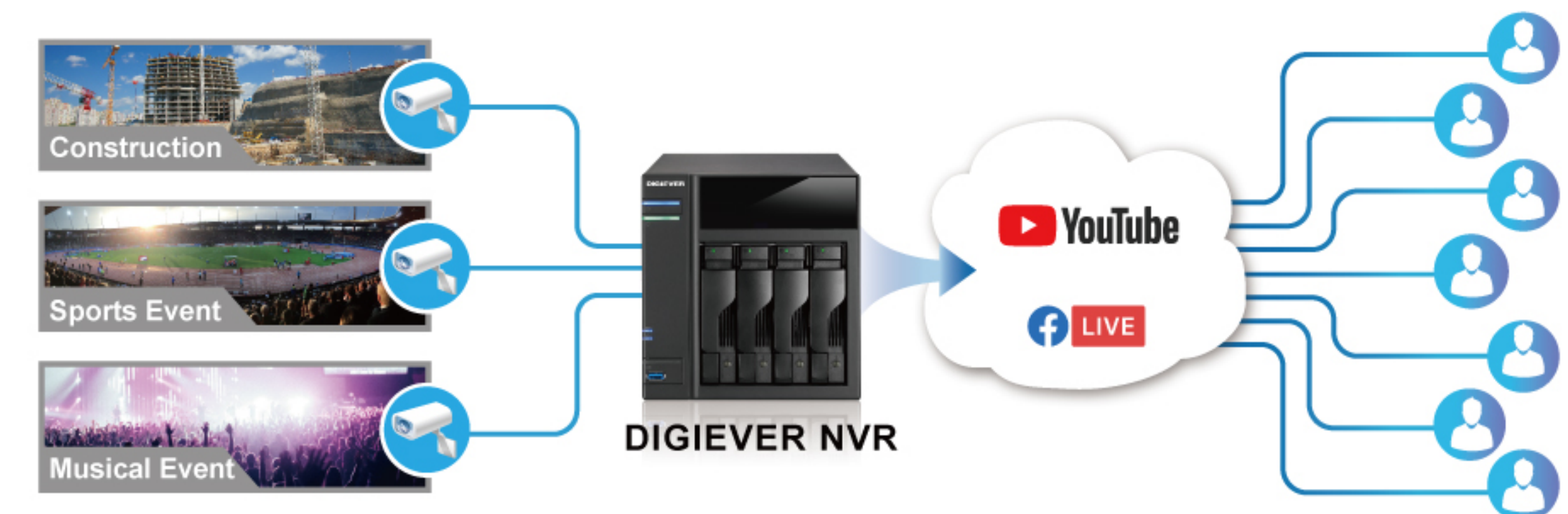
Mini-CMS Server Monitoring

Simultaneously live monitor other remote NVR sites with up to 256 channels.



YouTube/ Facebook Live

Share live videos of IP camera to the world for multiple scenarios while live streams will be saved simultaneously in DIGIEVER NVR for future usage.



DIGIEVER NVR

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 file with playlist and portable NVRPlayer
- Add watermark for video export
- Digital watermark check via NVRCheck

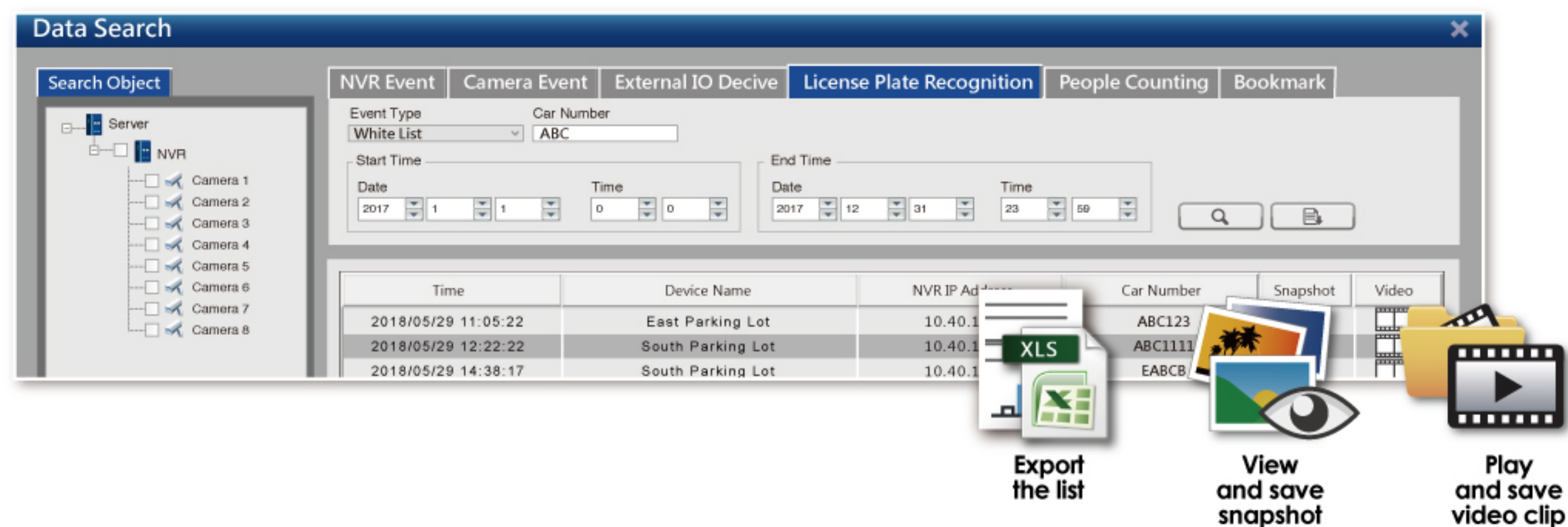
Bookmark

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



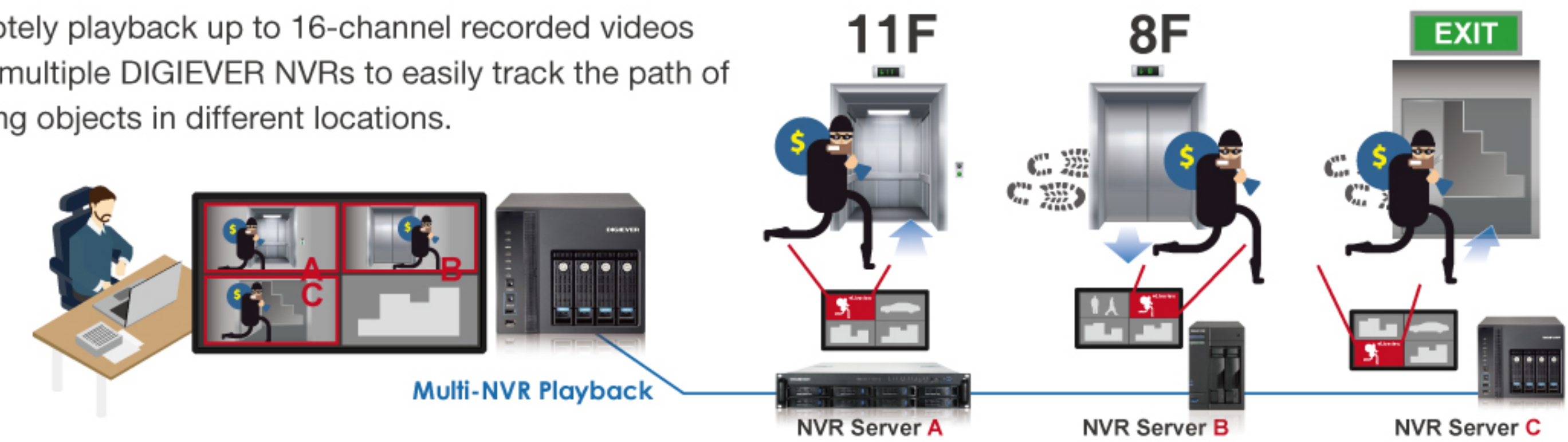
Data Search

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



Multi-NVR Playback

Remotely playback up to 16-channel 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

Based on display mode (2x2, 3x3, 3x4), DIGIEVER NVR will divide a video into many snapshots and display the first frame of that period of time on each channel to save your time to find key video or snapshot.



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

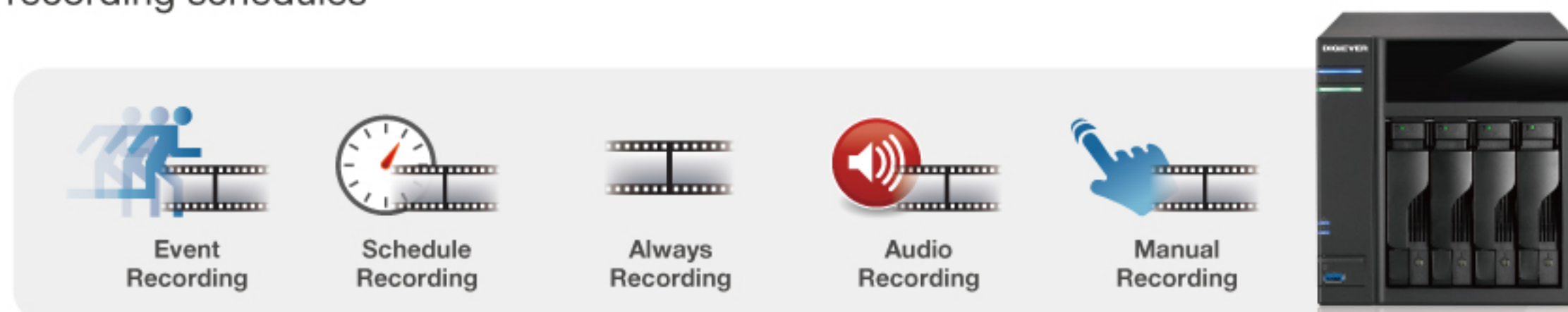
Comprehensive Compatible Capability

Support hundreds of brands and thousands of cameras,
ONVIF Profile S, 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.

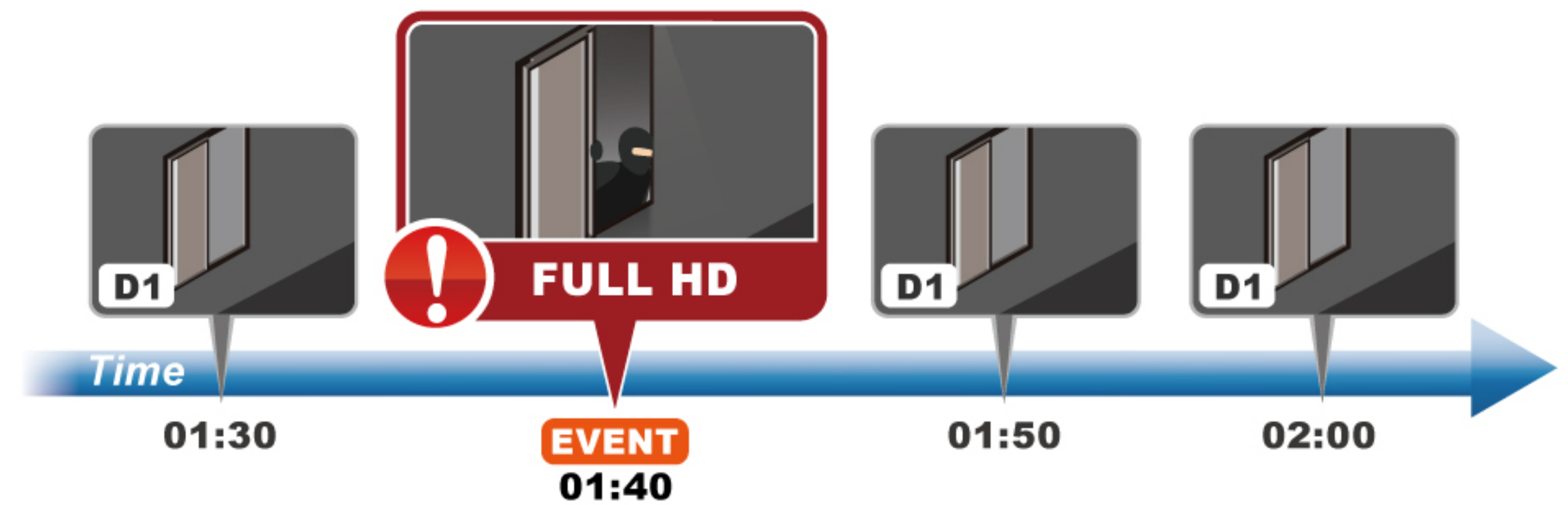


Advanced Video Recording Feature

- Event smart recording
- Schedule snapshot
- Flexible video formats: Play in NVRPlayer or in general player
- 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

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



Powerful Event and Action Management

- Up to 29 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

Events			
Camera Events Camera Connection Lost Camera Connection Lost Delay Camera Motion Detection Camera Audio Detection Camera Digital Input Camera Cross Line Detection People Counting Threshold Alarm Temperature Detection Camera Tampering Detection Loitering Detection Foreign Object Detection Missing Object Detection Advanced Motion Detection Human Detection	NVR Events NVR Connection Lost UPS Low Power Warning Storage Threshold Warning NVR Recovery from Power Outage Built-in Digital Input External Event (HTTP in)	NVR Storage Events RAID Degraded RAID Rebuilding RAID Failed	NVR Hardware Events CPU Temperature Warning CPU Fan Warning System Fan Warning HDD Error Warning HDD Fail Warning Redundant Power Supply Failure
Actions			
PC Alert Sound Event Log History Video Pop-out Window Highlight Video Window Event Recording E-Mail Notification Video Clip via E-Mail Snapshot via E-mail SMS NVR Buzzer Alarm Network Horn Speaker Go to Preset Point Camera Digital Output SNMP Trap Stack Light External IO Box User Defined Action Backup to External FTP Server Built-in Digital Output			

Chain Event

To ensure accuracy and satisfy different security needs, when all events are triggered within user-defined period of time (expire 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

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



DIGIEVER NVR as Multiple Backup Solutions

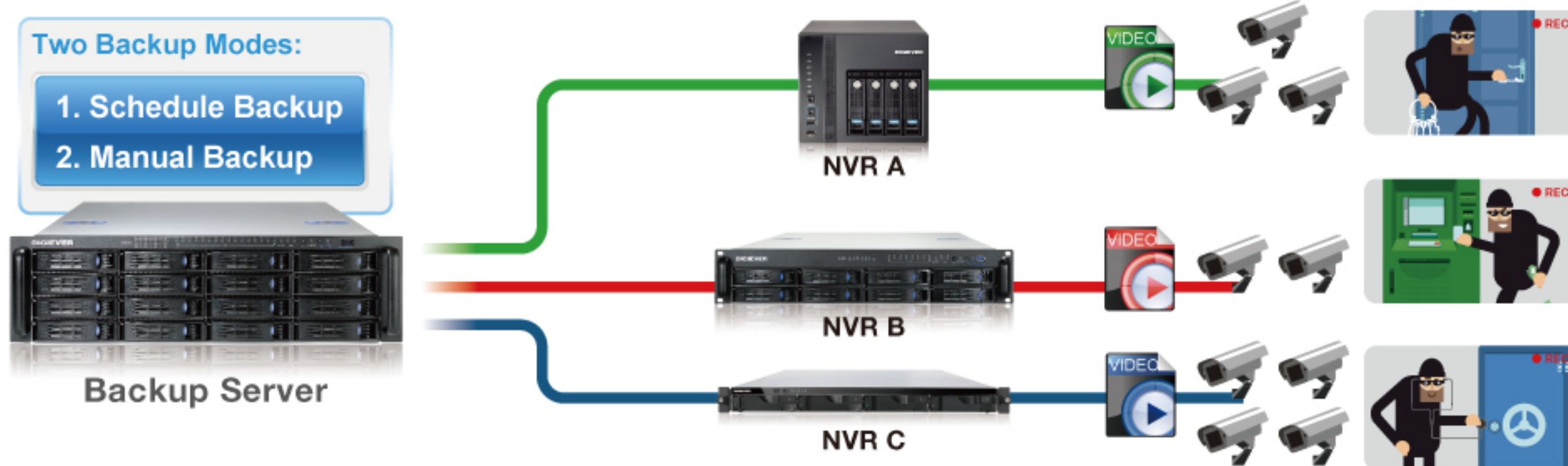
- DIGIEVER NVR as backup server
- Instant export while playback videos
- Export files with password on playback page
- Edge backup: simultaneous recording and mutual backup

Diverse Backup Methods

- One touch USB backup
- Remote backup to NAS
- Local backup to DIGIARRAY and USB devices
- Windows Networking and FTP service
- Event Backup to External FTP: Video clip & snapshot

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.



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.

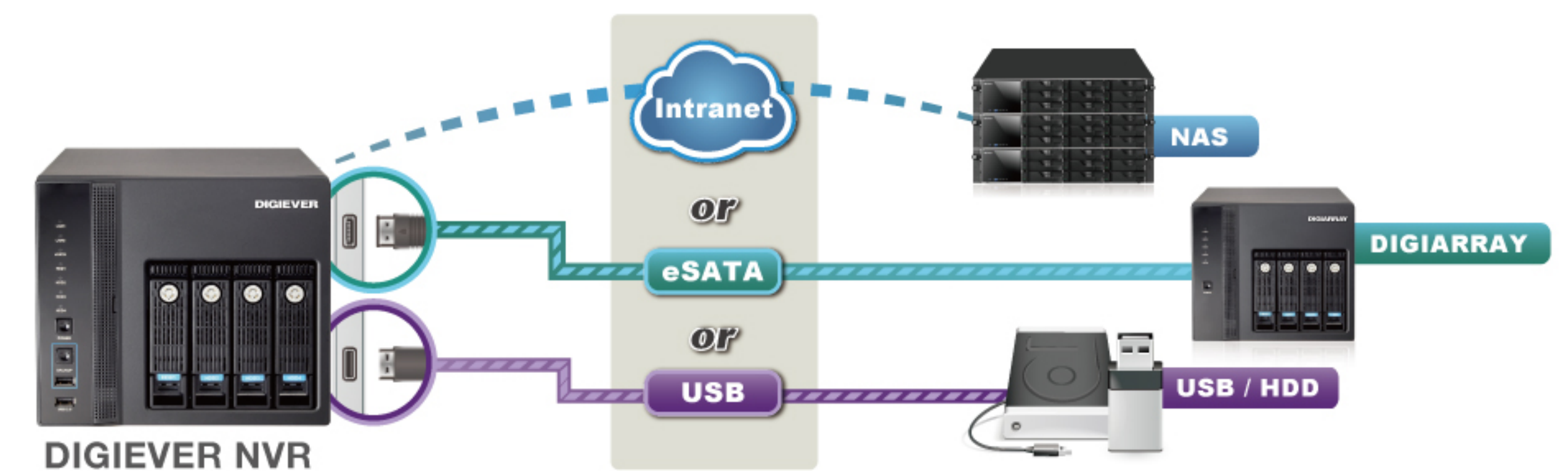
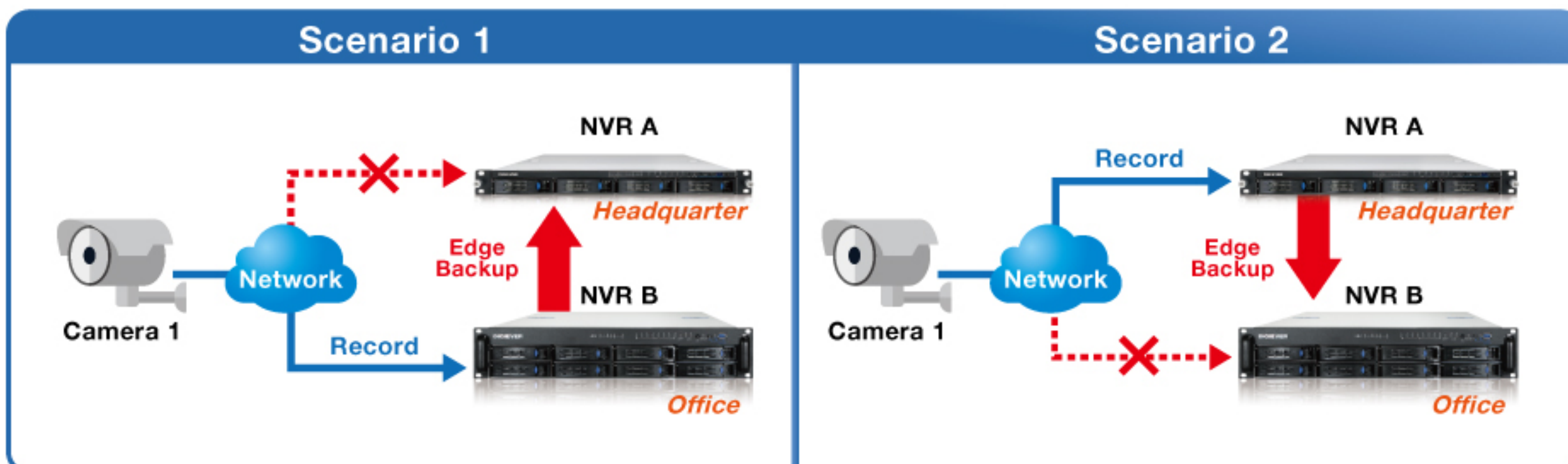


Edge Backup

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

Video Backup to Various External Devices

To keep confidential videos for a longer time, NVR can smartly back up recorded videos to local DIGIARRAY, local USB devices or remote NAS with a highly adjustable schedule.



DIGIEVER NVR

Hardware & System

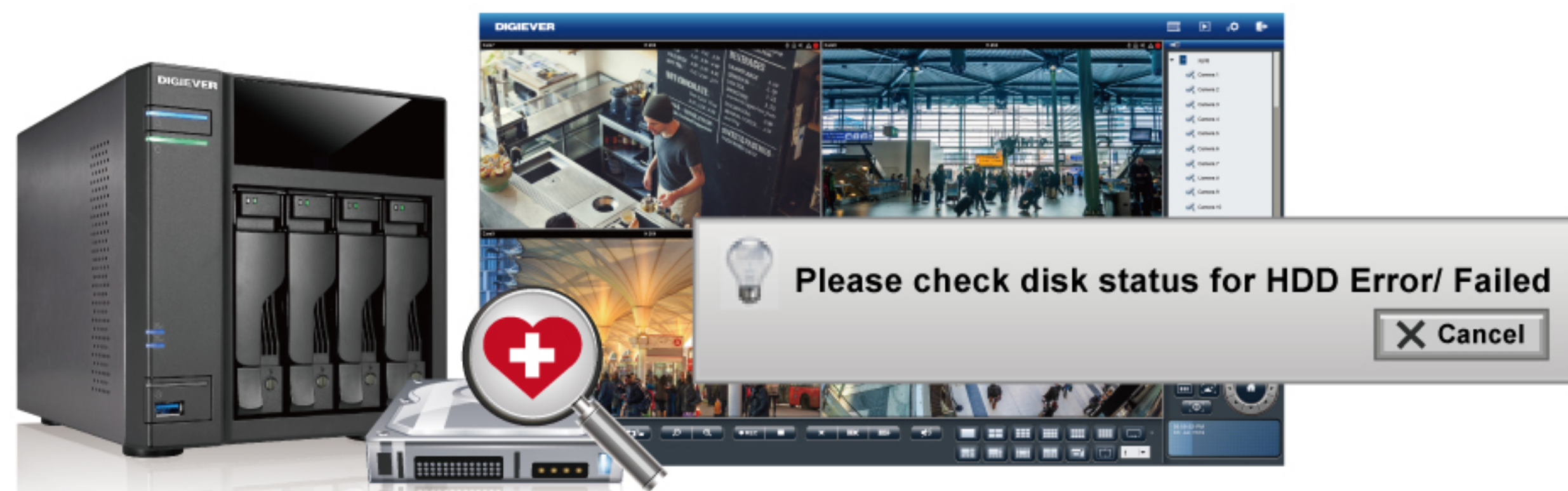
All-in-one Standalone Linux-embedded
4K Hardware Decode Network Video Recorder

Superior Hardware Design

- Intel high speed quad core CPU
- S.M.A.R.T HDD health monitoring
- Power resume after power shortage
- Up to 16TB storage capacity per hard disk drive
- High network throughput for high megapixel recording
- Built-in DI/DO of 4-in 2-out
- Storage extension via eSATA port
- Built-in advanced RAID configuration with hot swap design
- Password protection for power button shutdown (admin/ power user)

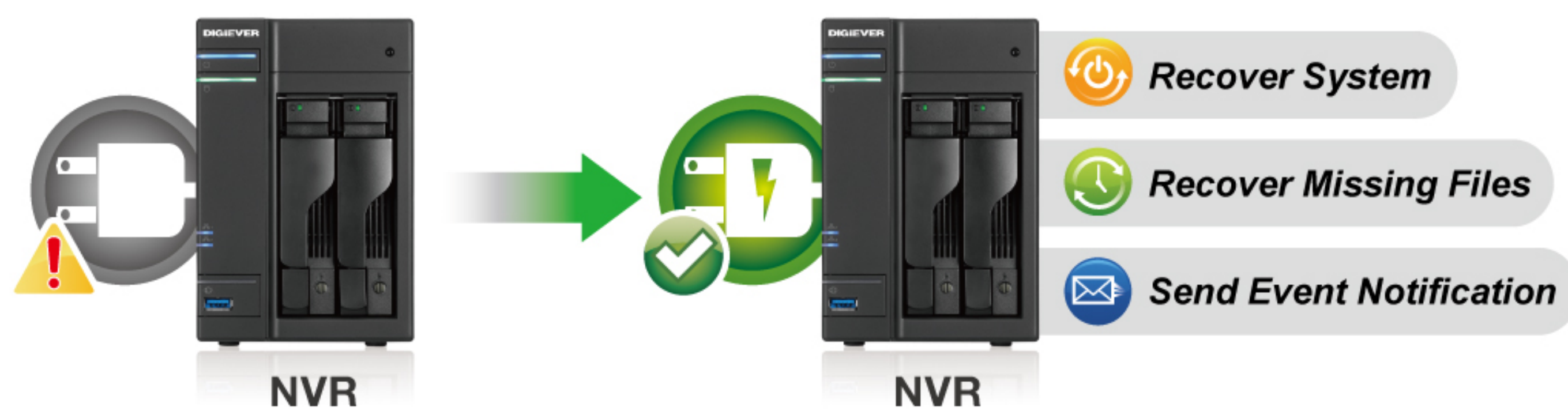
S.M.A.R.T HDD Health Monitoring

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
- Detail 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

Detail Log Information

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

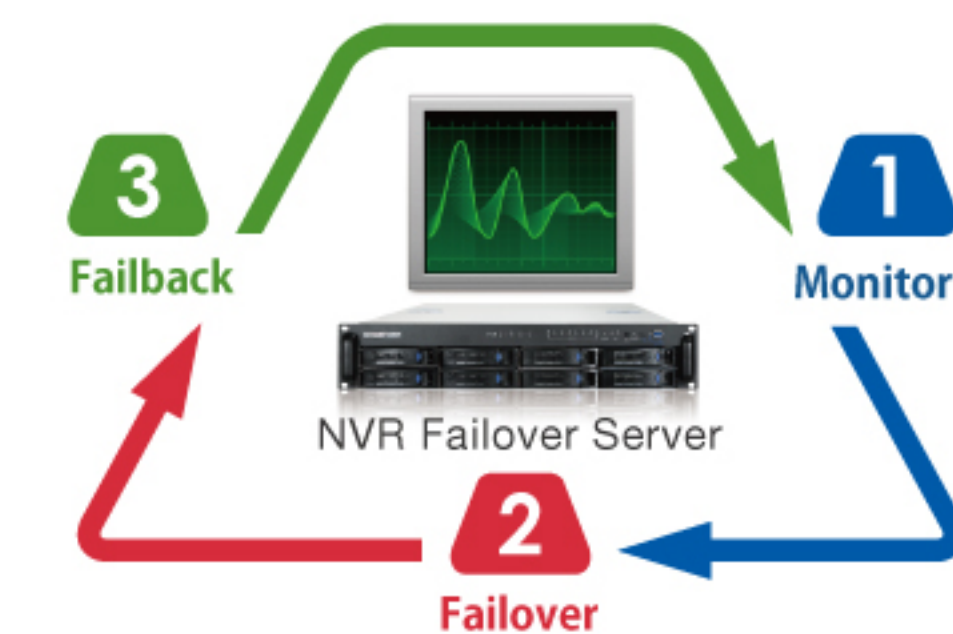
Complete Log Record for Trouble Shooting



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 EZ search & upgrade tool for NVR

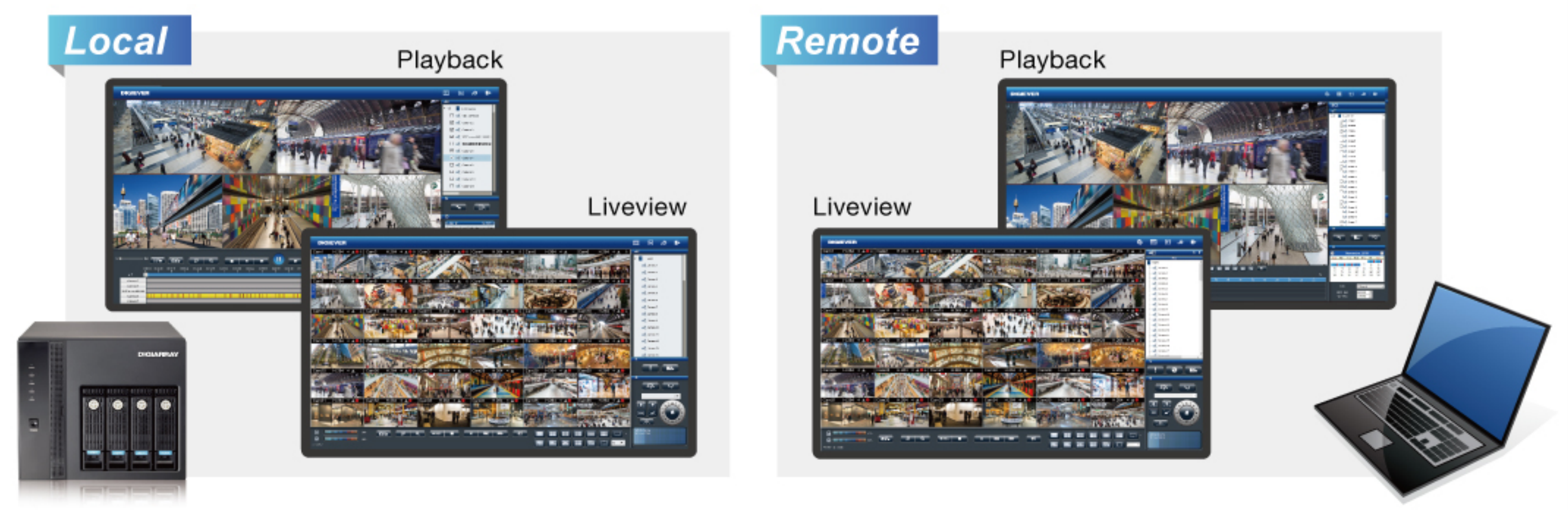
Trouble Free Installation in 5 Steps

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.

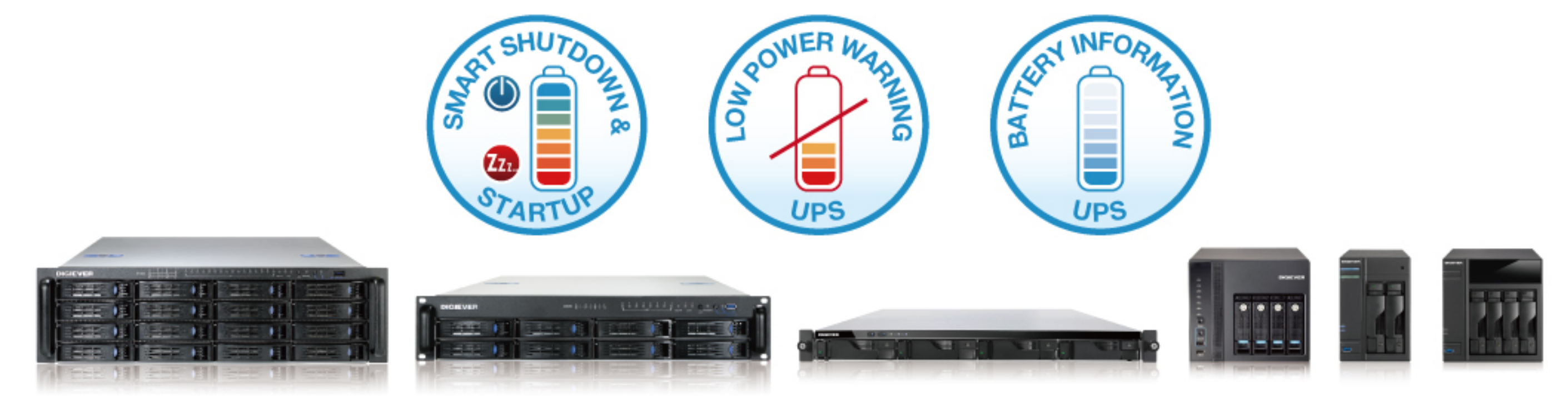


Comprehensive and Powerful Integration

- Integrated with 120+ camera brands and 7500+ 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 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) Modbus A/IO-D/IO box for now.
*Note3: DIGIEVER NVR supports HID (V2000) and HUNDURE (RAC-960 and RAC-970) access control device for now.

NVR Failover Server

Multi-NVR NVR Failover Server



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.
- Easy to Backup Videos:**
 - Backup your important videos to external USB devices or computer.

Superior Hardware Design

- 16TB high Storage Capacity per HDD:**
 - Possess up to 256TB storage capacity
- 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
- Highly Integrated with UPS Device:**
 - Maintain surveillance functionality and keep you safer
- Multi-language support:**
 - Satisfy localized user experience



Three Modes to Ensure NVR's Recording and Monitoring

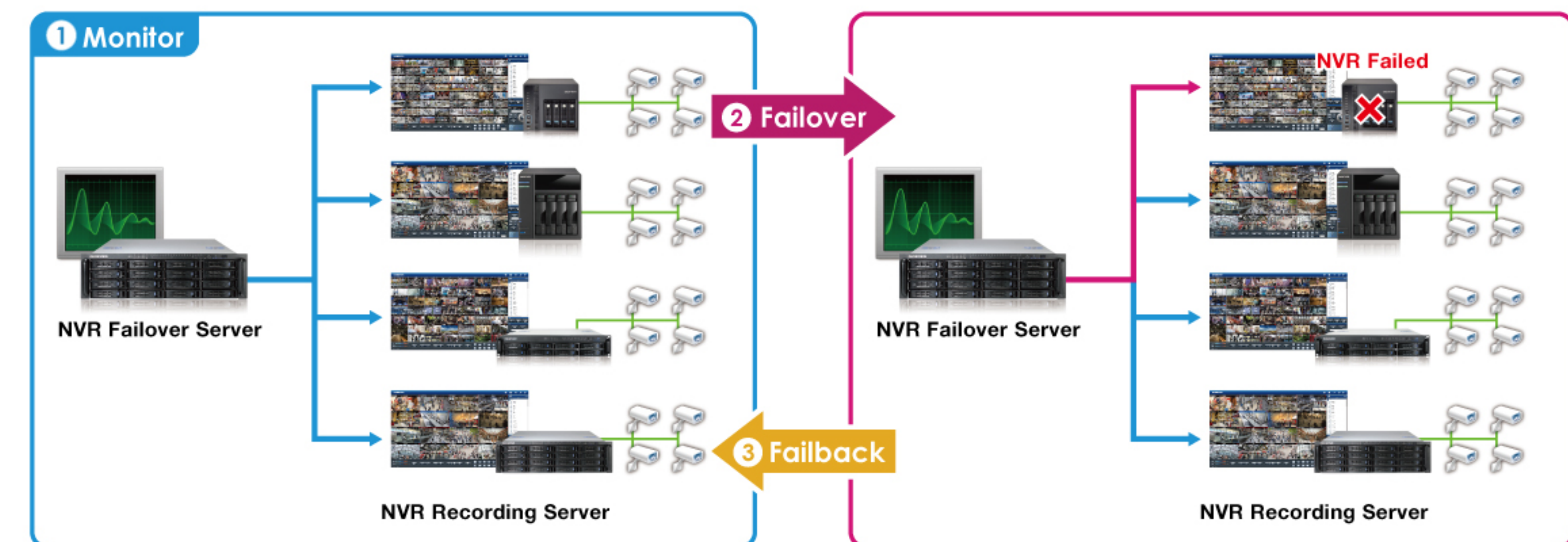
- 1 Monitor mode: Monitor Multiple NVR**
 Failover Server will check the NVR and its RAID status in user-defined interval (30-180 seconds).

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.

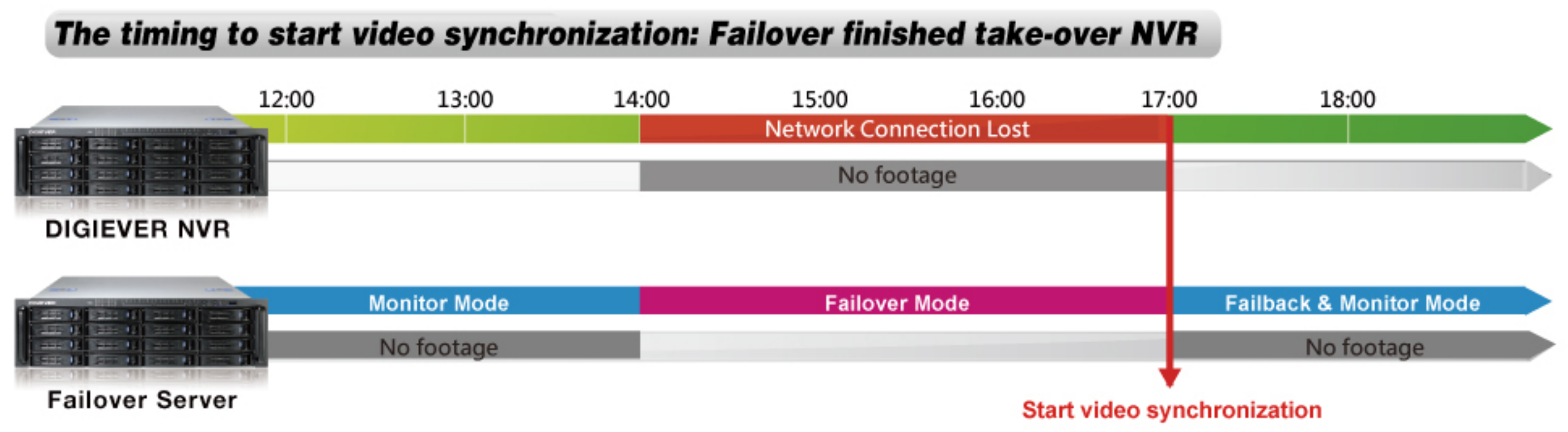
NVR Status:
 Once Failover Server successfully reconnected to NVR, Failover Server will stop taking over that NVR.

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.



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-channel video backup from multiple NVRs
- Advanced backup schedule: Defined by camera
- Up to 256TB high storage capacity
- Flexible storage expansion ability via DIGIARRAY

Playback and Double Backup

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



Superior Hardware Design

- Complete RAID Levels
- Hot swappable HDD design
- S.M.A.R.T HDD Health Monitoring
- Network Load Balance
- 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

Multi-RAID Storage Management

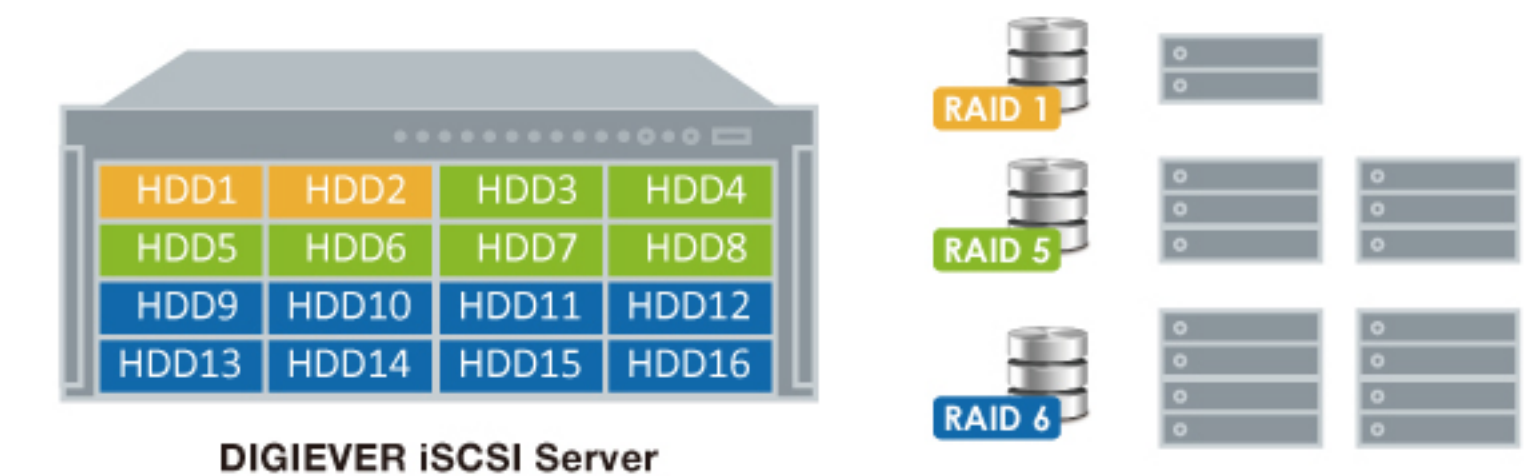
Freely define different RAID types for future HDD expansion

- Multi-RAID Configuration
Support up to 3 volume per iSCSI server;
Maximum 5 volume by connecting to 2 units of DIGIARRAY
- 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

Remarkable Storage Capability

Maximum 336TB high storage capacity for long-term video storage

- Up to 256TB high storage capacity
Support up to 16TB HDD
- Extra Storage Expansion Ability
Expand extra 64TB storage capacity via DIGIARRAY
- 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

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

DIGIARRAY

DA-4000E
Storage Expansion Box for DIGIEVER NVR



Robust Scalability up to 64TB

- Up to 16TB storage capacity per hard disk drive

Multi-volume Storage Management

- No impact on NVR performance when extending storage size
- Flexibly configure different RAID types on NVR and DIGIARRAY

Easy Expansion via eSATA Interface

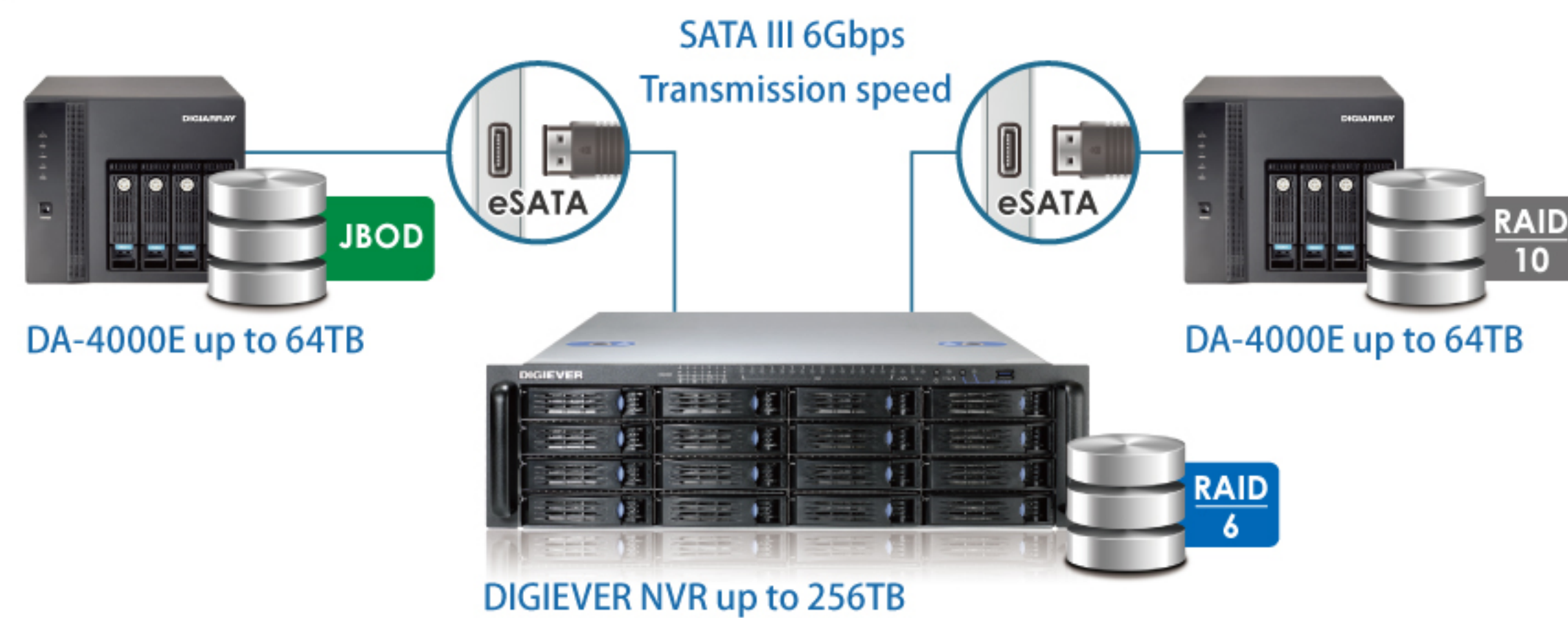
- Fast and efficient video transmission: SATA III 6Gbps transmission speed
- Quickly connect to DIGIEVER NVR

Easy Deployment with Plug-and-Play Design

- Hot swap design in case of HDD failure
- Storage portable design to move all HDDS to another DIGIARRAY

Rock-solid Hardware RAID

- Safe, reliable and high speed
- Various hardware RAID types: JBOD(Linear), RAID 0,1,5,10
- Quick RAID setting



Robust Scalability up to 64TB

One DIGIARRAY can expand up to 64TB storage capacity with 4 hard disk trays. Each hard disk tray supports up to 16TB capacity. In addition, one DIGIEVER NVR can be connected up to 2 DIGIARRAY units and 8 HDDs in total.



Mobile NVR

MN-2100 Pro+ and MN-1100 Pro+ Series
The World's First Linux-embedded Wide-range Temperature 4K Hardware Decode Mobile NVR



Excellent Display Performance

- Up to 36 channels real-time local display
- Support 12 megapixel IP cameras
- Up to 300Mbps network throughput
- Marvelous PC-less solution: Dual/ Mirror display
- Support 60FPS and ImmerVision panomorph cameras

Superb Hardware Design

- Wide-range temperature (-20 ~ 70°C / -4 ~ 158°F) for tough environments
- Up to 2TB storage capacity per HDD
- Built-in 4 LAN ports with optional PoE power module
- Support optional Wi-Fi/4G and GPS/G-sensor

High Integration Ability

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



DIGIEVER CMS

Large-scale Central Management Software

DIGIEVER Central Management System (DIGIEVER CMS) is a central management system to centrally manage different sites of DIGIEVER NVRs. 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

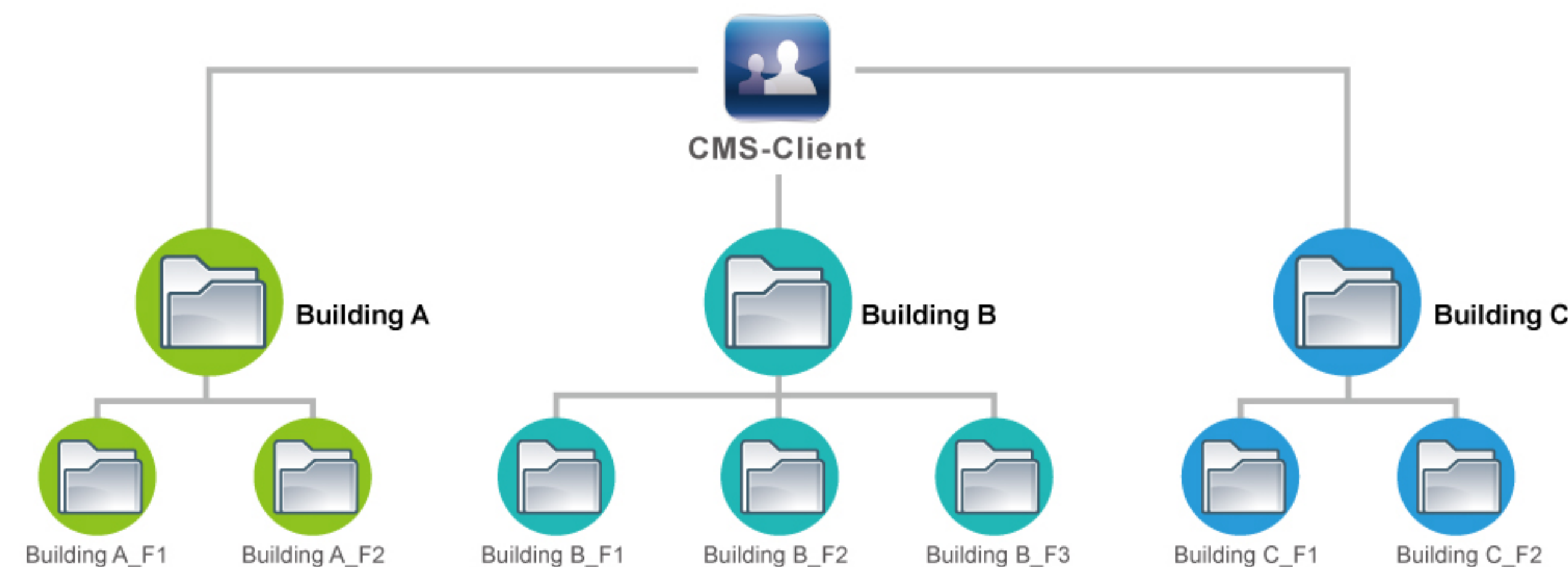
- ▶ Ideal for control room monitoring
- ▶ User-defined display mode
- ▶ Advanced schedule sequence group
- ▶ Flexible monitor scalability based on the number of display cards
- ▶ Dual stream auto switch to save bandwidth
- ▶ Restore point: save current monitor/layout settings

Intelligent Camera Management

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

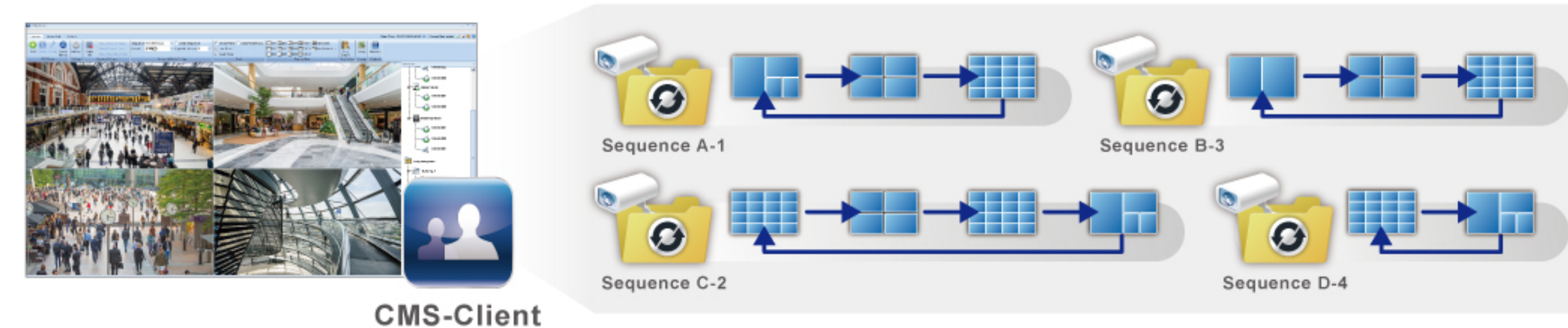
Multi-level Favorite Groups

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

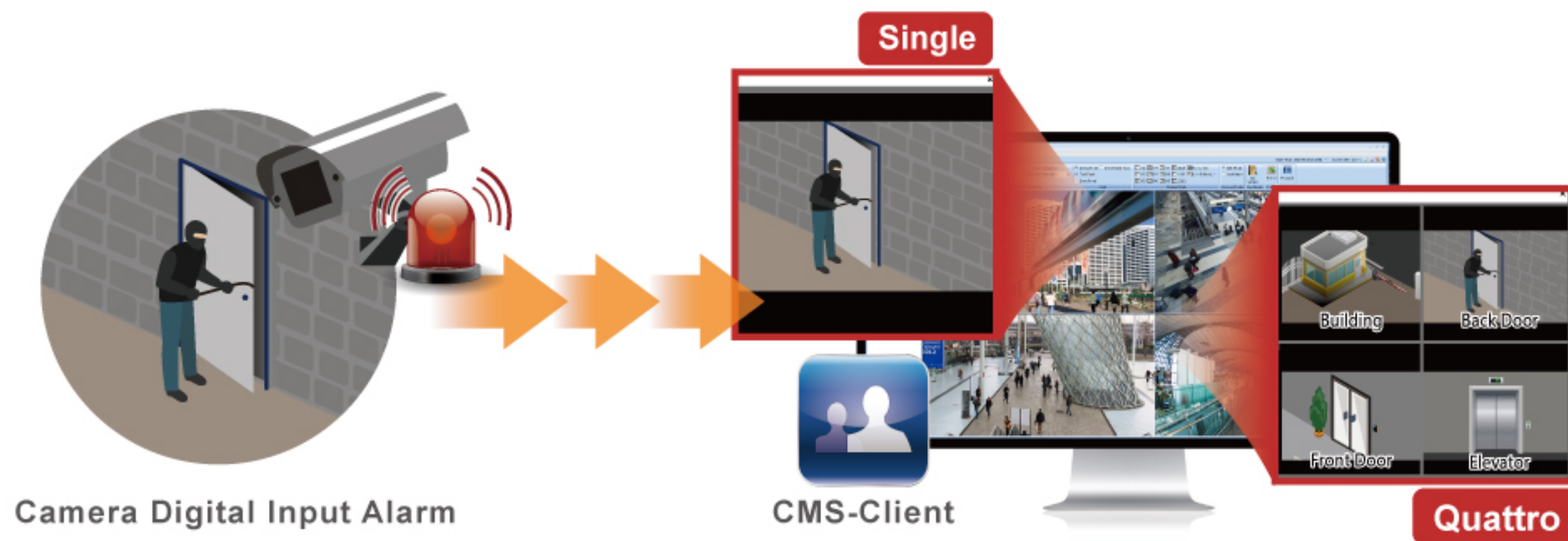
Large-scale Central Management Software

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

Single and Quattro Video Pop-out Window

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



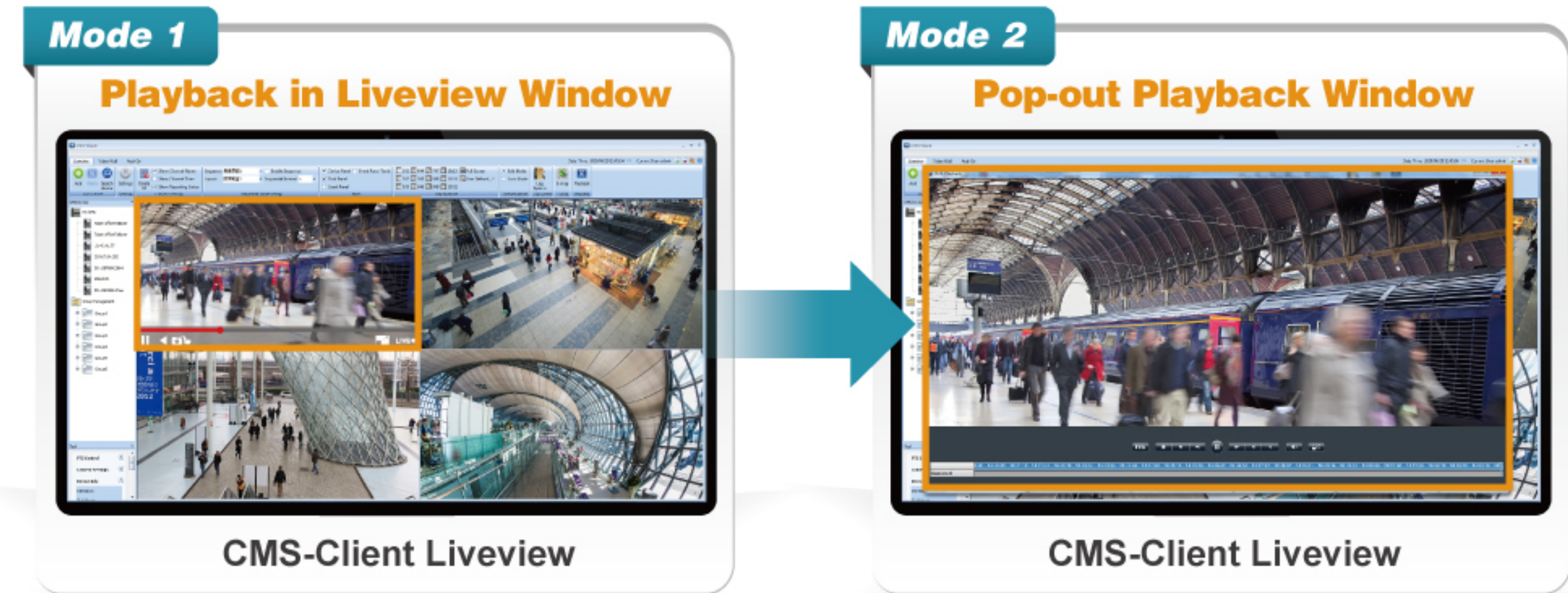
Edit/ Lock Mode to Enhance Security Level

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
- Instant pop-out event window
- Camera icon warning when event happens
- Thumbnail links to quickly access diverse maps
- Double-click for large video window to examine more details

Instant Pop-out Event Window

To instantly receive notice and show exact status, when an event is triggered, a pop-out window will show actual monitoring on E-map. Users can check the situation right away.



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.

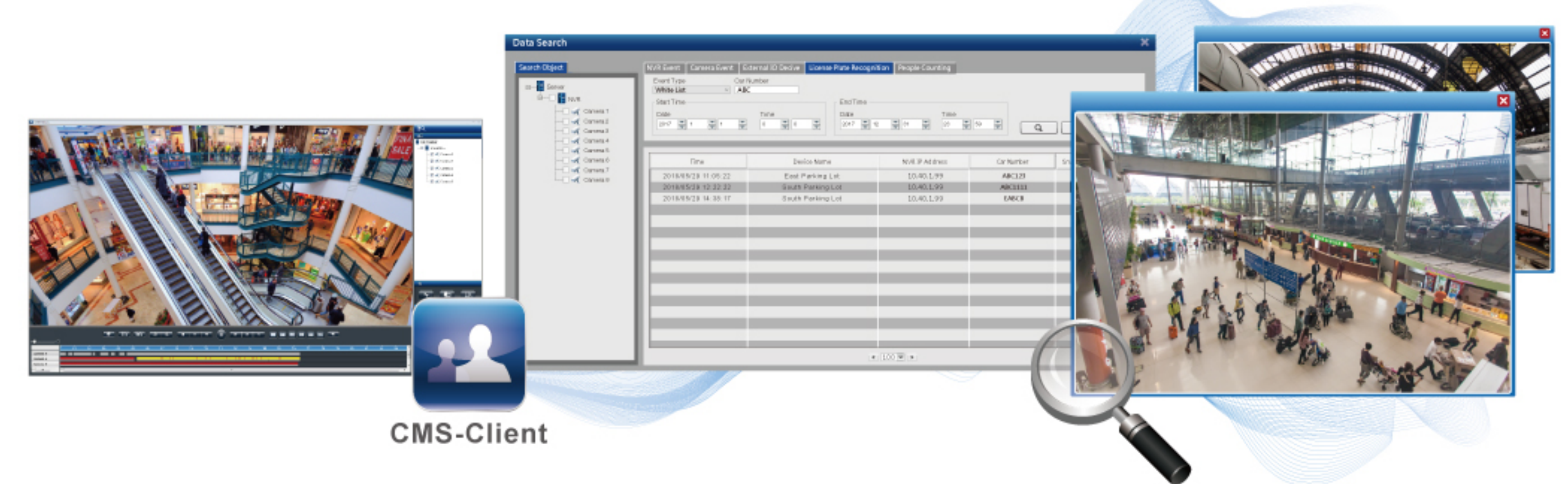


Multi-channel Playback

- Cross-NVR multi-channel playback
- Up to 16-channel 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.



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.



DIGIEVER CMS

Large-scale Central Management Software

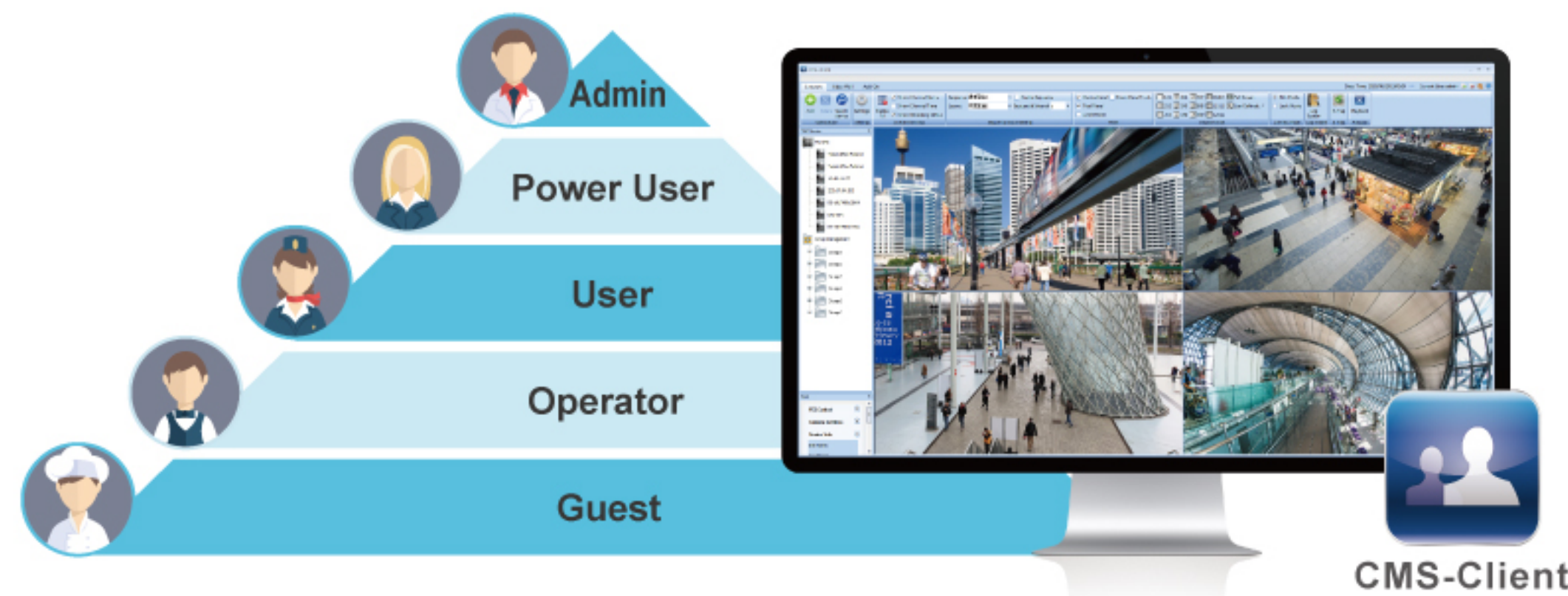
System & CMS-Matrix

Flexible System Configuration

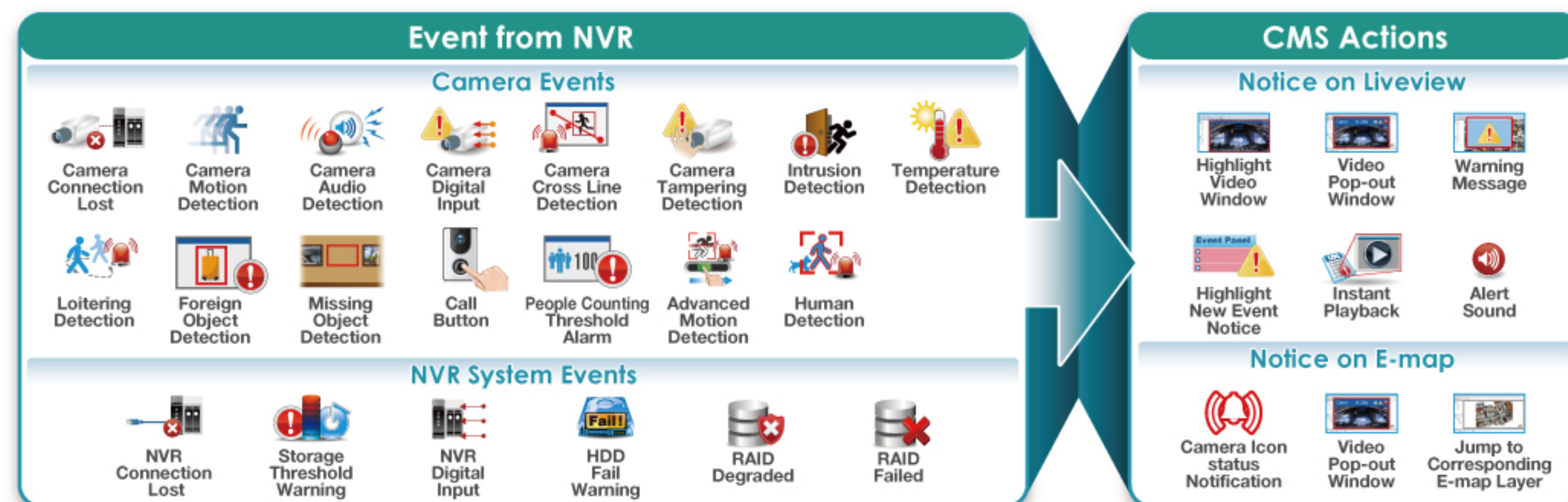
- Quick installation wizard
- Auto NVR detection
- Flexible license upgrade
- User privilege management: 5 levels with user-defined authority
- Detail log information for security control and trouble shooting
- Powerful event and action management: Up to 21 NVR event types and 9 action types
- Save/ 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 ImmerVision panamorph dewarp
- 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

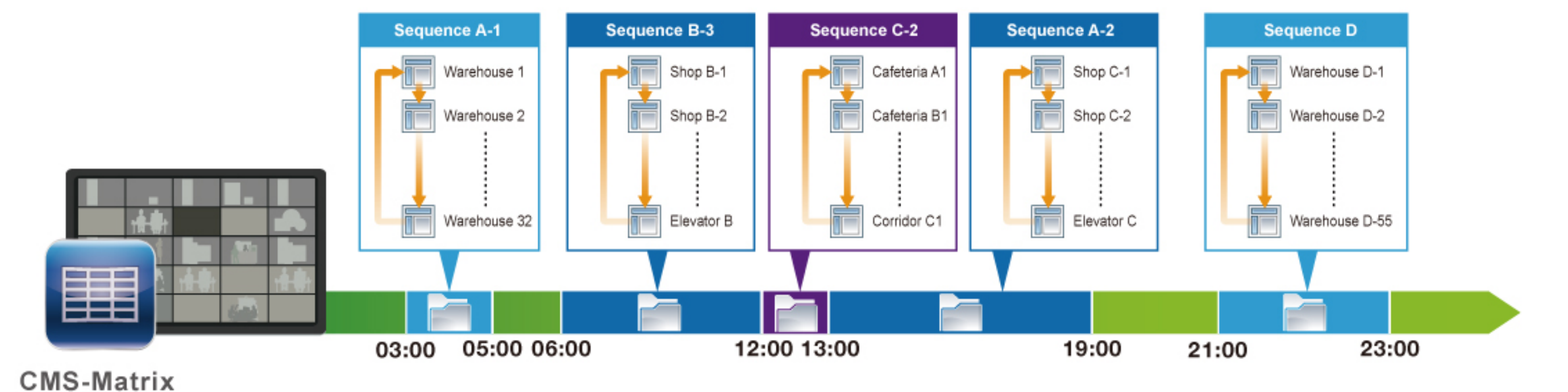
Preview Video Wall Setting on CMS-Client

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

Rack-mount Linux-embedded Streaming Server



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

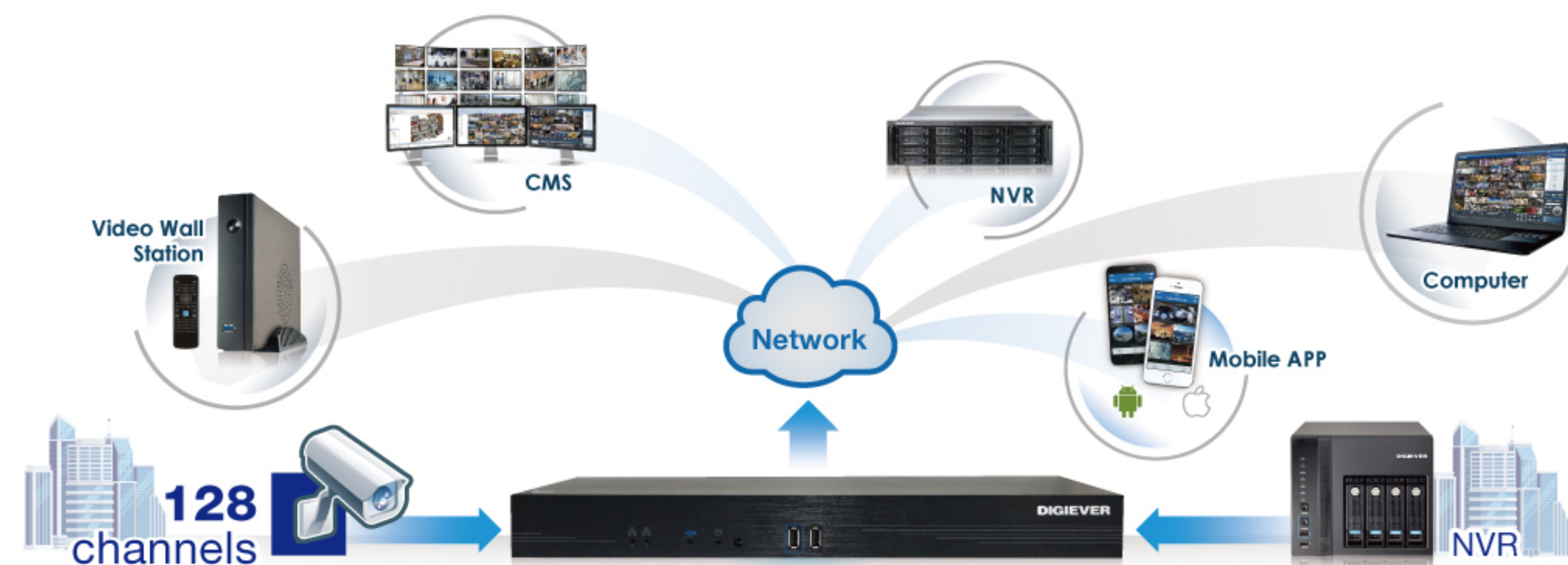
Streaming authorization allows you to create user accounts to define its camera access list for individual system management. It is a smart way to ensure the privacy and security of video data.

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 key video, take a snapshot and export the video on Streaming Server's remote client.



Video Wall Station

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 64CH liveview performance
- Marvelous PC-less solution: Dual/ Mirror display
- Dual-stream optimization for better video quality
- Support 120FPS and ImmerVision panomorph dewarp

Multi-channel Playback

- 5-channel 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

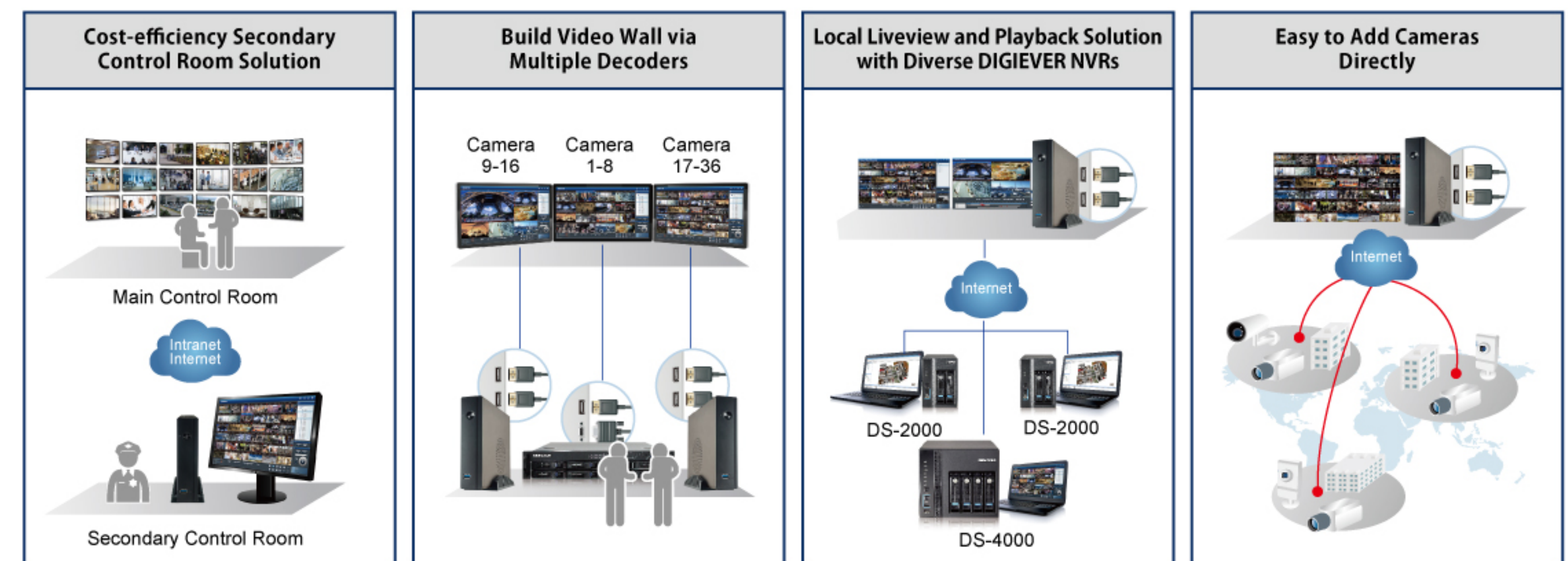
User-friendly Design

- 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 (Optional)

Comprehensive Compatible Capability

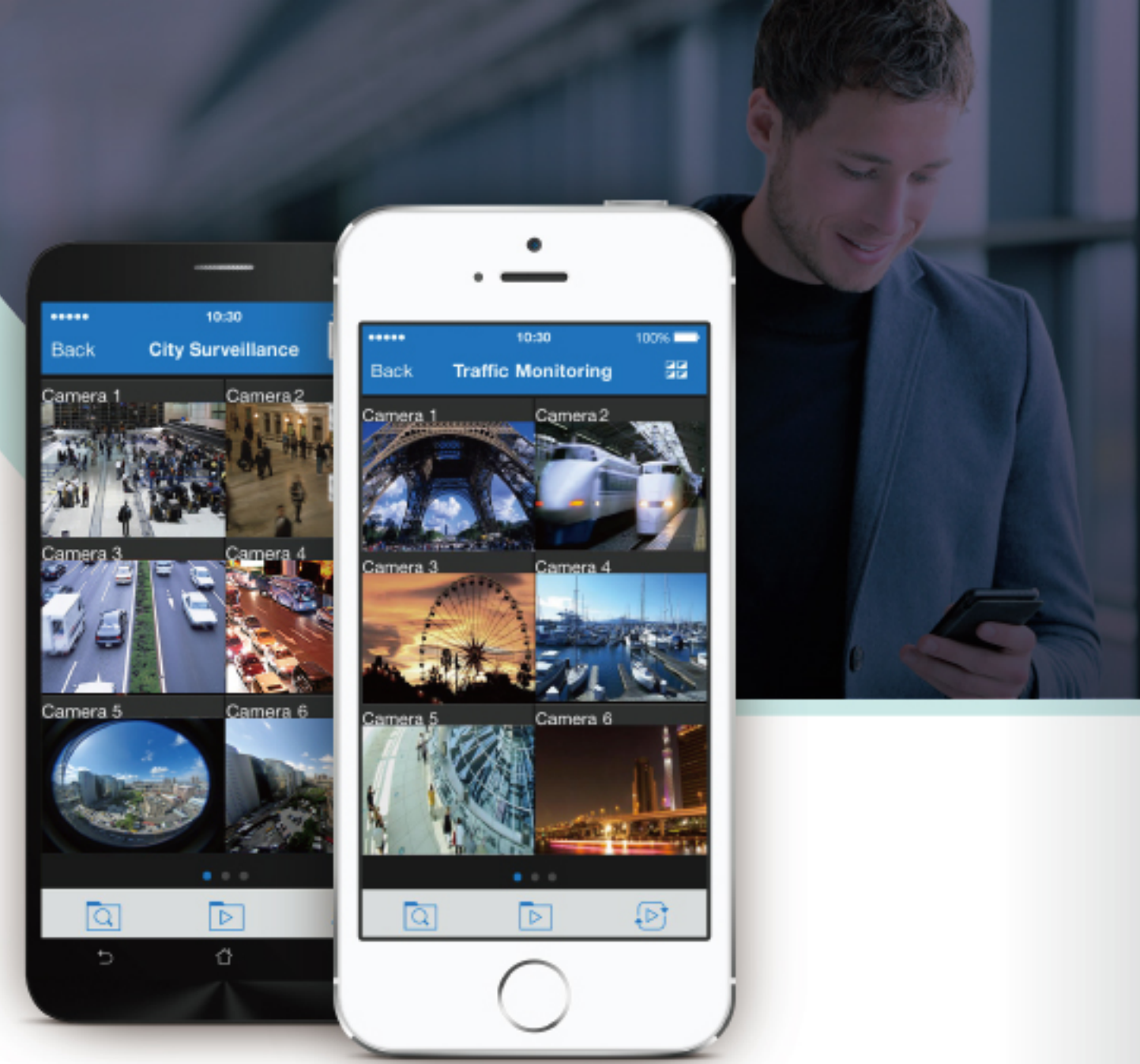
- Support H.265/H.264/MJPEG/M-PEG4/MxPEG video compression standard
- Support over 120 brands and more than 7000 IP cameras
- Support ONVIF/ Generic RTSP & MJPEG

Various Applications



DIGIMobile V2

Monitoring Everywhere via iOS & Android Mobile Device



Liveview

- View videos from multiple phones at the same time
- ImmerVision panomorph dewarp in single-mode
- Dual stream auto switch
- Compression format: H.265, H.264, MJPEG, MxPEG
- Display mode: 1/2/4/6 and sequential mode
- Support PTZ control, pinch to zoom and audio

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

Advanced Features

- Quickly add NVR in LAN via EZ Search
- Directly control NVR liveview on local display
- Quick monitoring from favorites
- Multi-languages support
- Event push notification
- Instant event notification
- Quick event sorting method
- Two-way audio communication

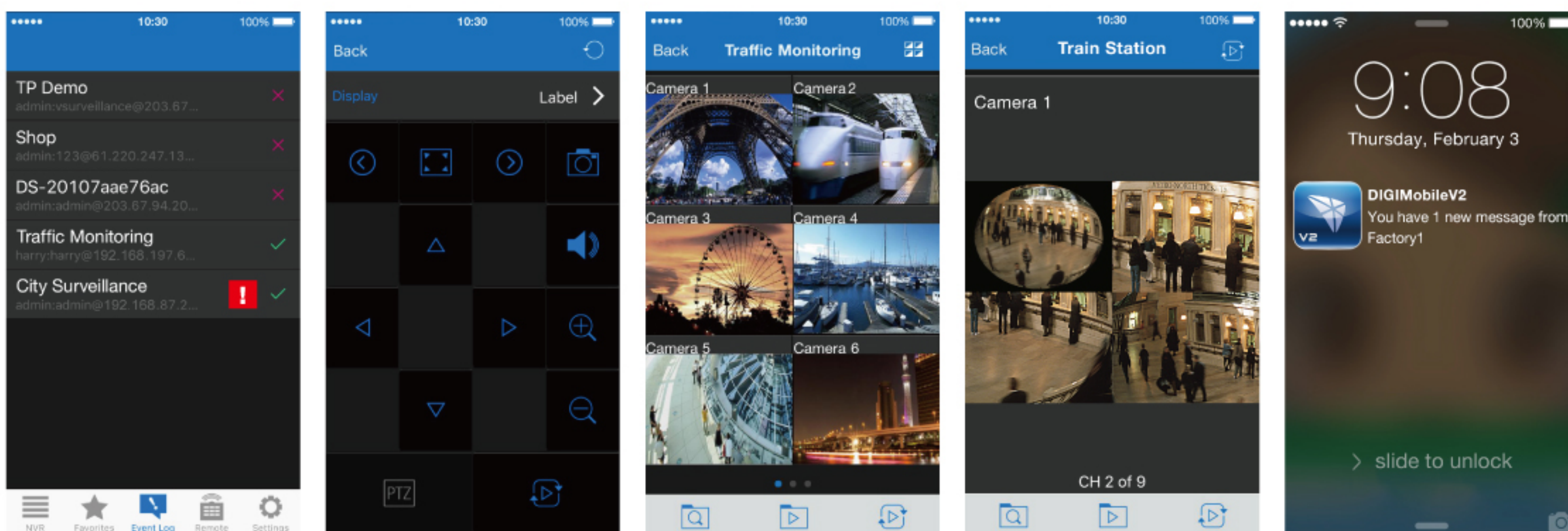
Event Log

Remote Control

Favorites

ImmerVision Panomorph Dewarp

Push Notification



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+

Reliable and Easy-to-use Surveillance Ability

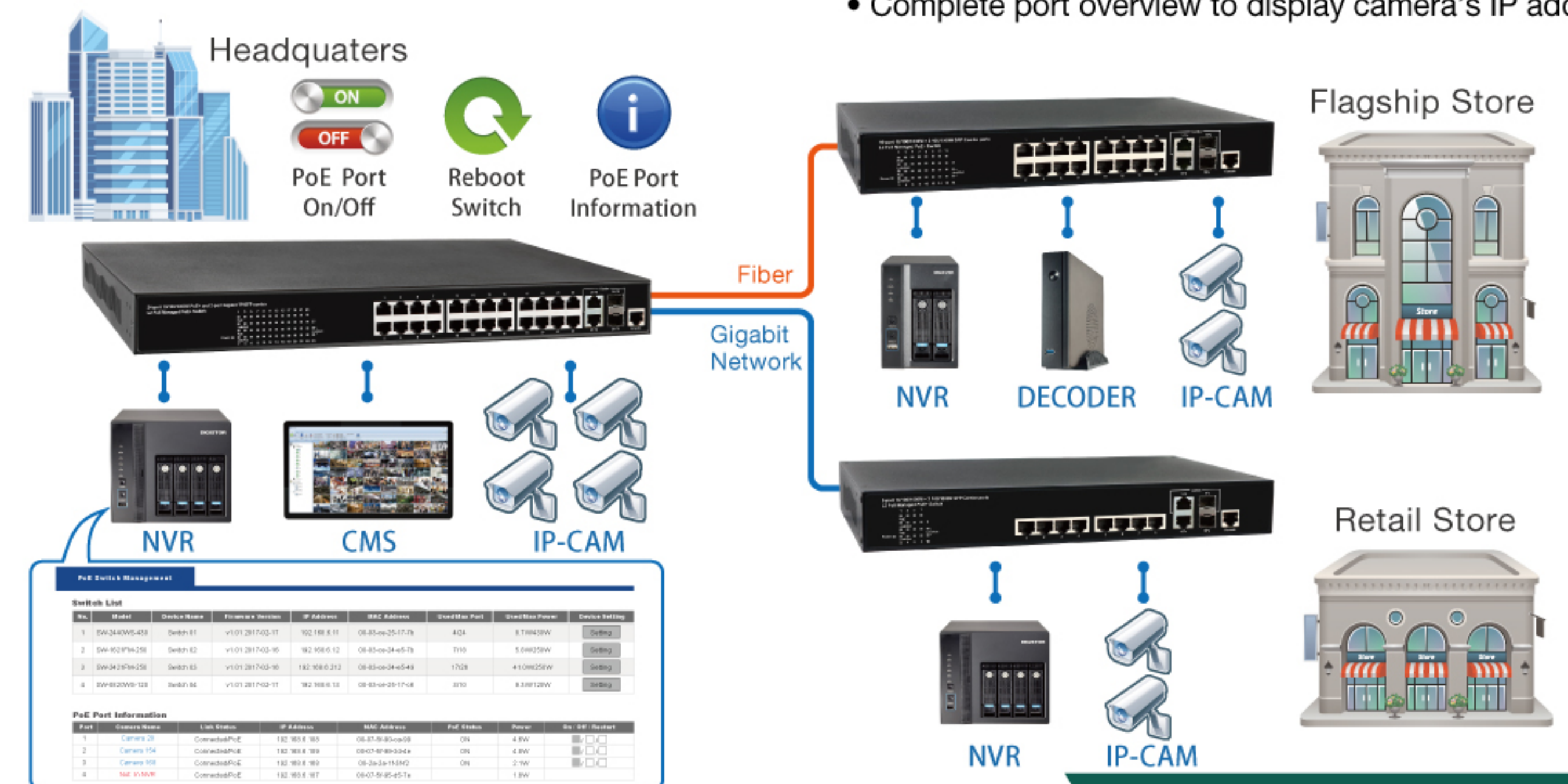
- Support QoS to prioritize video streaming in network traffic
- Ultra-high backplane capacity for data transmission
- Remotely restart network devices from PoE port management
- Up to 30W per port to power PTZ cameras
- Create large numbers of VLANs for network efficiency
- Built-in SFP cages with optional 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

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

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



Specifications


DIGIEVER Enterprise NVR Series			
DIGIEVER NVR	DS-640000-RM Pro+	DS-560000-RM Pro+	DS-480000-RM Pro+
	 4K UHD H/W DECODE 64-bay 1024-TB	 4K UHD H/W DECODE 56-bay 896-TB	 4K UHD H/W DECODE 48-bay 768-TB
Model Name	DS-645512/645256-RM Pro+, DS-644256-RM Pro+, DS-643256-RM Pro+	DS-563256-RM Pro+	DS-485384/485192-RM Pro+, DS-484192-RM Pro+, DS-483192-RM Pro+
CPU	Quad-core Intel Quad-core Extreme Speed CPU/Quad-core Intel Quad-core High Speed CPU/Quad-core Intel High Speed CPU	Quad-core Intel High Speed CPU	Triple Intel Quad-core Extreme Speed CPU/Triple Intel Quad-core High Speed CPU/Triple Intel High Speed CPU
Supported Channel Model	Up to 512/256	Up to 256	Up to 384/192
Operation System	Linux-embedded	Linux-embedded	Linux-embedded
Maximum Network Throughput	2600Mbps/ 2200Mbps/ 1800Mbps	1800Mbps	1950Mbps/ 1650Mbps/ 1350Mbps
Support Local Display	Yes (HDM x4 /VGA x4)	Yes (HDM x4 /VGA x4)	Yes (HDM x 3/VGA x3)
Max Resolution Support on Local Display	Up to 12 Megapixel /channel	Up to 12 Megapixel /channel	Up to 12 Megapixel /channel
Max. Channel Supported on Local Display	Up to 64 channels / page	Up to 64 channels / page	Up to 64 channels / page
H/W Decode Local Display Max. FPS in Single Page ¹	Resolution up to 8MP(4K UHD)/4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)		
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream(Depending on camera models)		
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)	Yes (Up to 256 channels)	Yes (Up to 256 channels)
Storage Capacity per HDD	Up to 16TB	Up to 16TB	Up to 16TB
Storage Expansion Units (DIGIARRAY)	2 Units	2 Units	2 Units
HDD Tray	72(NVR:64 + DIGIARRAY Storage Expansion: 8)	64(NVR:56 + DIGIARRAY Storage Expansion: 8)	56(NVR:48 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity ³	Up to 1152TB (NVR:1024TB + DIGIARRAY Storage Expansion: 128TB)	Up to 1024TB (NVR:896TB + DIGIARRAY Storage Expansion: 128TB)	Up to 896TB (NVR:768TB + DIGIARRAY Storage Expansion: 128TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1/5/6/10
Built-in DI/DO(Digital Input/Digital Output)	16-in, 8-out	16-in, 8-out	12-in, 6-out
Network Port ⁴	Gigabit x 8	Gigabit x 8	Gigabit x 6
USB Backup	Yes	Yes	Yes
USB Connector	Front:USB2.0x4(For USB Backup) / Rear: USB2.0x16	Front:USB3.0x1, USB 2.0 x3(For USB Backup) / Rear:USB2.0x16	Front:USB2.0x3(For USB Backup) / Rear: USB2.0x12
H/W Dimensions	533.6(H) x 481(W) x 551.5(D) mm 21(H) x 18.93(W) x 21.71(D) inch	488.3(H) x 481(W) x 551.5(D) mm 19.21(H) x 18.93(W) x 21.71(D) inch	400.2(H) x 481(W) x 551.5(D) mm 15.75(H) x 18.93(W) x 21.71(D) inch
DIGIEVER NVR	DS-400000-RM Pro+	DS-320000-RM Pro+	DS-240000-RM Pro+
	 4K UHD H/W DECODE 40-bay 640-TB	 4K UHD H/W DECODE 32-bay 512-TB	 4K UHD H/W DECODE 24-bay 384-TB
Model Name	DS-403192-RM Pro+	DS-325256/325128-RM Pro+, DS-324128-RM Pro+, DS-323128-RM Pro+	DS-243128-RM Pro+
CPU	Triple Intel High Speed CPU	Double Intel Quad-core Extreme Speed CPU/Double Intel Quad-core High Speed CPU/Double Intel High Speed CPU	Double Intel High Speed CPU
Supported Channel Model	Up to 192	Up to 256/128	Up to 128
Operation System	Linux-embedded	Linux-embedded	Linux-embedded
Maximum Network Throughput	1350Mbps	1300Mbps/ 1100Mbps/ 900Mbps	900Mbps
Support Local Display	Yes (HDM x3 /VGA x3)	Yes (HDM x2/VGA x2)	Yes (HDM x 2/VGA x2)
Max Resolution Support on Local Display	Up to 12 Megapixel /channel	Up to 12 Megapixel /channel	Up to 12 Megapixel /channel
Max. Channel Supported on Local Display	Up to 64 channels / page	Up to 64 channels / page	Up to 64 channels / page
H/W Decode Local Display Max. FPS in Single Page ¹	Resolution up to 8MP(4K UHD)/4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)		
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)		
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)	Yes (Up to 256 channels)	Yes (Up to 256 channels)
Storage Capacity per HDD	Up to 16TB	Up to 16TB	Up to 16TB
Storage Expansion Units (DIGIARRAY)	2 Units	2 Units	2 Units
HDD Tray	48(NVR:40 + DIGIARRAY Storage Expansion: 8)	40(NVR:32 + DIGIARRAY Storage Expansion: 8)	32(NVR:24 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity ³	Up to 768TB (NVR:640TB + DIGIARRAY Storage Expansion: 128TB)	Up to 640TB (NVR:512TB + DIGIARRAY Storage Expansion: 128TB)	Up to 512TB (NVR:384TB + DIGIARRAY Storage Expansion: 128TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1/5/6/10
Built-in DI/DO(Digital Input/Digital Output)	12-in, 6-out	8-in, 4-out	8-in, 4-out
Network Port ⁴	Gigabit x 6	Gigabit x 4	Gigabit x 4
USB Backup	Yes	Yes	Yes
USB Connector	Front:USB3.0x1, USB 2.0 x2(For USB Backup) / Rear: USB2.0x12	Front:USB2.0x2(For USB Backup) / Rear: USB2.0x8	Front:USB3.0x1, USB 2.0 x1(For USB Backup) / Rear: USB2.0x8
H/W Dimensions	354.9(H) x 481(W) x 551.5(D) mm 13.96(H) x 18.93(W) x 21.71(D) inch	266.8(H) x 481(W) x 551.5(D) mm 10.5(H) x 18.93(W) x 21.71(D) inch	221.5(H) x 481(W) x 551.5(D) mm 8.71(H) x 18.93(W) x 21.71(D) inch




Specifications

DIGIEVER NVR Pro+ IV & V Series				
DIGIEVER NVR	DS-16500-RM Pro+ series DS-165000-RM Pro+ series	DS-8500-SRM Pro+ series DS-85000-SRM Pro+ series	DS-16400-RM Pro+ series	DS-8400-SRM Pro+ series
	 4K UHD H/W DECODE 64CH H/W DECODE NETWORK THROUGHPUT 650Mbps intel inside	 4K UHD H/W DECODE 64CH H/W DECODE NETWORK THROUGHPUT 650Mbps intel inside	 4K UHD H/W DECODE 64CH H/W DECODE NETWORK THROUGHPUT 650Mbps intel inside	 4K UHD H/W DECODE 64CH H/W DECODE NETWORK THROUGHPUT 650Mbps intel inside
Model Name	DS-165128/120/112/104/96/88/80/72/64/56/49/42-RM Pro+	DS-85128/120/112/104/96/88/80/72/64-SRM Pro+	DS-16464/56/49/42-RM Pro+	DS-8464/56/49/42-SRM Pro+
CPU	Intel High Speed Quad Core CPU			
Supported Channel Model	Up to 128/120/112/104/96/88/80/72/64/56/49/42	Up to 128/120/112/104/96/88/80/72/64	Up to 64/56/49/42	Up to 64/56/49/42
Operation System	Linux-embedded			
Maximum Network Throughput	650Mbps		550Mbps	
Support Local Display	Yes (HDMI/ VGA)			
Max Resolution Support on Local Display	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 ¹	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)			
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)			
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)			
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)			
Storage Expansion Units (DIGIARRAY)	2 Units			
HDD Tray	24 (NVR:16 + DIGIARRAY Storage Expansion: 8)	16 (NVR:8 + DIGIARRAY Storage Expansion: 8)	24 (NVR:16 + DIGIARRAY Storage Expansion: 8)	16 (NVR:8 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity ³	Up to 384TB (NVR:256TB + DIGIARRAY Storage Expansion: 128TB)	Up to 256TB (NVR:128TB + DIGIARRAY Storage Expansion: 128TB)	Up to 384TB (NVR:256TB + DIGIARRAY Storage Expansion: 128TB)	Up to 256TB (NVR:128TB + DIGIARRAY Storage Expansion: 128TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10			
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out			
Network Port ⁴	Gigabit x 2			
USB Backup	Yes			
USB Connector	Front:USB2.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB2.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4
H/W Dimensions	113.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.9(W) x 21.71(D) inch	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch	113.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.9(W) x 21.71(D) inch	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch
DIGIEVER NVR Pro+ III Series	DS-16300-RM Pro+ series	DS-8300-SRM Pro+ series		
	 4K UHD H/W DECODE 64CH H/W DECODE NETWORK THROUGHPUT 450Mbps intel inside	 4K UHD H/W DECODE 64CH H/W DECODE NETWORK THROUGHPUT 450Mbps intel inside		
Model Name	DS-16364/56/49/42/36/32/25/20/16-RM Pro+	DS-8364/56/49/42-SRM Pro+		
CPU	Intel High Speed CPU			
Supported Channel Model	Up to 64/56/49/42/36/32/25/20/16	Up to 64/56/49/42		
Operation System	Linux-embedded			
Maximum Network Throughput	450Mbps			
Support Local Display	Yes (HDMI/ VGA)			
Max Resolution Support on Local Display	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 ¹	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)			
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)			
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)			
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)			
Storage Expansion Units (DIGIARRAY)	2 Units			
HDD Tray	24 (NVR:16 + DIGIARRAY Storage Expansion: 8)	16 (NVR:8 + DIGIARRAY Storage Expansion: 8)		
Maximum Capacity ³	Up to 384TB (NVR:256TB + DIGIARRAY Storage Expansion: 128TB)	Up to 256TB (NVR:128TB + DIGIARRAY Storage Expansion: 128TB)		
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10			
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out			
Network Port ⁴	Gigabit x 2			
USB Backup	Yes			
USB Connector	Front:USB2.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4		
H/W Dimensions	113.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.9(W) x 21.71(D) inch	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch		



Note 1. H/W decode local display max. FPS in single page is based on H.264 camera compression format and Full HD display.
 Note 2. Built-in mini-CMS server monitoring is not supported on local display interface.
 Note 3. The standard system is shipped without HDD.
 Note 4. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.

Specifications



DIGIEVER NVR Pro+ Series	
DIGIEVER NVR	 <p>DS-8200-SRM Pro+ series</p>
Model Name	DS-8264/56/49/42/36/32/25/20/16/12/09-SRM Pro+
CPU	Intel High Performance CPU
Supported Channel	Up to 64/56/49/42/36/32/25/20/16/12/9
Operation System	Linux-embedded
Maximum Network Throughput	400Mbps
Support Local Display	Yes (HDMI/ VGA)
Max Resolution Support on Local Display	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 ¹	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)
Storage Expansion Units (DIGIARRAY)	2 Units
HDD Tray	16 (NVR:8 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity ³	Up to 256TB (NVR:128TB + DIGIARRAY Storage Expansion: 128TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out
Network Port ⁴	Gigabit x 2
USB Backup	Yes
USB Connector	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4
H/W Dimensions	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch

DIGIEVER NVR UHD Series			
DIGIEVER NVR	 <p>DS-4100-RM series</p>	 <p>DS-4200 UHD series</p>	 <p>DS-2100 UHD series</p>
Model Name	DS-4132/25/20/16/12/09-RM	DS-4236/32/25/20/16/12/09/05 UHD	DS-2116/2112/2109/2105 UHD
CPU	Intel Quad-core CPU	Intel Quad-core CPU	Intel Dual-core CPU
Supported Channel Model	Up to 32/25/20/16/12/9	Up to 36/32/25/20/16/9/5	Up to 16/12/9/5
Operation System	Linux-embedded	Linux-embedded	Linux-embedded
Maximum Network Throughput	400Mbps	400Mbps	360Mbps
Support Local Display Output (H.265 & 4K Decode)	Yes (HDMI 1.4)	Yes (HDMI 2.0 x2)	Yes(HDMI 2.0 x1, HDMI 1.4 x1)
4K Display	N/A	Yes	Yes (HDMI 2.0 x1)
Max Resolution Support on Local Display	Up to 12 Megapixel /channel	Up to 12 Megapixel /channel	Up to 12 Megapixel /channel
Max. Channel Supported on Local Display	Up to 32 Channels / page	Up to 36 Channels / page	Up to 16 Channels / page
H/W Decode Local Display Max. FPS in Single Page ¹	4K UHD (8MP):90FPS/ Full HD: 360FPS/ HD: 360FPS/ CIF: 480FPS	4K (8MP):120FPS/ Full HD:480FPS/ D1:480FPS/ CIF:900FPS	4K (8MP):120FPS/ Full HD:480FPS/HD:480FPS/ D1:480FPS
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)		
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)	Yes (Up to 256 channels)	Yes (Up to 256 channels)
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 16TB (2.5"/3.5" HDD or SSD)
Storage Expansion Units (DIGIARRAY)	-	-	-
HDD Tray	4	4	2
Maximum Capacity ³	Up to 64TB	Up to 64TB	Up to 32TB
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1
Built-in DI/DO(Digital Input/Digital Output)	-	-	-
Network Port ⁴	Gigabit x 4	2.5 Gigabit x 2	Gigabit x 2
USB Backup	Yes	Yes	Yes
USB Connector	USB 3.0 x 4 (Type A x 4)	USB 3.2 x 3	USB 3.0 x 4 (Type A x 3, Type C x 1)
H/W Dimensions	44(H) x 439(W) x 515(D) mm 1.73(H) x 17.28(W) x 20.27(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

Specifications





DIGIEVER NVR Lite Series		
DIGIEVER NVR	 <p>DS-4000 series</p>	 <p>DS-2000 series</p>
Model Name	DS-4016/4012/4009/4005	DS-2016/2012/2009/2005
CPU	RISC	RISC
Supported Channel	Up to 16/12/9/5	Up to 16/12/9/5
Operation System	Linux-embedded	
Maximum Network Throughput	150Mbps	
Support Local Display	-	
Max Resolution Support on Local Display	-	
Max. Channel Supported on Local Display	-	
H/W Decode Local Display Max. FPS in Single Page ¹	-	
Video Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)	
Built-in mini-CMS Server Monitoring ²	Yes (Up to 256 channels)	
Storage Capacity per HDD	Up to 8TB (2.5"/3.5" HDD)	
Storage Expansion Units (DIGIARRAY)	2 Units	
HDD Tray	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)	10 (NVR:2 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity ³	Up to 144TB (NVR:16TB + DIGIARRAY Storage Expansion: 128TB)	Up to 144TB (NVR:16TB + DIGIARRAY Storage Expansion: 128TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out	
Network Port ⁴	Gigabit x 1	
USB Backup	Yes	
USB Connector	Front: USB 2.0 x 1 (For USB BACKUP) / Rear: USB2.0 x 2	
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.69(D) inch	164.94(H) x 114.97(W) x 246.1(D) mm 6.49(H) x 4.53(W) x 9.69(D) inch

Specifications







DIGIEVER Mobile NVR Series		
DIGIEVER Mobile NVR	 <p>MN-2100 Pro+ series</p>	 <p>MN-1100 Pro+ series</p>
Model Name	MN-2136/2132/2125/2120/2116/2112/2109/2105 Pro+	MN-1136/1132/1125/1120/1116/1112/1109/1105 Pro+
CPU	Intel High Performance CPU	
Memory	2GB (up to 8GB)	
Supported Channel	Up to 36/32/32/25/20/16/12/9/5	
Operation System	Linux-embedded	
Maximum Network Throughput	300Mbps	
Support Local Display	Yes (HDMI/ VGA)	
Max Resolution Support on Local Display	Up to 12 Megapixel /channel	
Max. Channel Supported on Local Display	Up to 36 channels/ page	
H/W Decode Local Display Max. FPS in Single Page ¹	Resolution up to 8MP(4K UHD)/ 4MP:120FPS/ Full HD:300FPS/ HD:600FPS/ D1:900FPS (H.264)	
Video Format	H.264, MPEG-4, MJPEG, MxPEG, Zipstream (Depending on camera models)	
Storage Capacity per HDD	Up to 2TB (SSD/ 2.5" HDD)	
HDD Tray	2	1
Maximum Capacity ²	Up to 4TB	Up to 2TB
Disk Configuration	Linear(JBOD), RAID 0/1	Linear(JBOD)
Built-in DI/DO(Digital Input/Digital Output)	4-in, 4-out	
Network Port ³	Gigabit x 4	
USB Backup	Yes	
Optional Module	4G/ Wi-Fi/ GPS/ PoE/ Anti-vibration kit for 2.5" HDD/ Adaptor (AC 100V~240V)	
Power Ignition Module	Yes	
USB Connector	Front: USB2.0x4	Front: USB2.0x 4
Operating Temperature	-20 ~70°C / -4 ~158°F	
H/W Dimensions	77.3(H) x 273.8(W) x 188(D) mm 3.04(H) x 10.78(W) x 7.4(D) inch	64.8(H) x 273.8(W) x 188(D) mm 2.55(H) x 10.78(W) x 7.4(D) inch

Note 1. H/W decode local display max. FPS in single page is based on camera's compression format H.264.
 Note 2. The standard system is shipped without HDD.
 Note 3. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.



Specifications

DIGIEVER Failover Server Series				
	DFS-16300-RM series	DFS-8200-RM series	DBS-4100-RM series	DFS-4200 series
DIGIEVER Failover Server				
Model Name	DFS-16364-RM/ DFS-16332-RM	DFS-8264-RM/ DFS-8232-RM	DFS-4132-RM	DFS-4336
CPU	Intel High Speed CPU	Intel High Performance CPU	Intel Quad-core CPU	Intel Quad-core CPU
Supported Channel	64/ 32 channels	64/ 32 channels	32 channels	32 channels
Operation System	Linux-embedded			
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)			
HDD Tray	16 (Hot Swappable)	8 (Hot Swappable)	4 (Hot Swappable)	4 (Hot Swappable)
Maximum Capacity ³	Up to 256TB	Up to 128TB	Up to 64TB	Up to 64TB
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 device/ DIGIARRAY/ NAS			Yes, to USB device/ NAS
USB Connector	Front: USB2.0x1(For video export)/ Rear: USB2.0x4	Front: USB3.0x1(For video export)/ Rear: USB2.0x4	Rear: USB3.0x4	Front: USB3.2x1(For video export) / Rear: USB 3.2 x2
Network Port ⁴	Gigabit x 2	Gigabit x 2	Gigabit x 4	2.5 Gigabit x 2
H/W Dimensions	113.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.9(W) x 21.71(D) inch	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch	44(H) x 439(W) x 515(D) mm 1.73(H) x 17.28(W) x 20.27(D) inch	185.5(H) x 170(W) x 230(D) mm 7.3(H) x 6.69(W) x 9.05(D) inch


Specifications

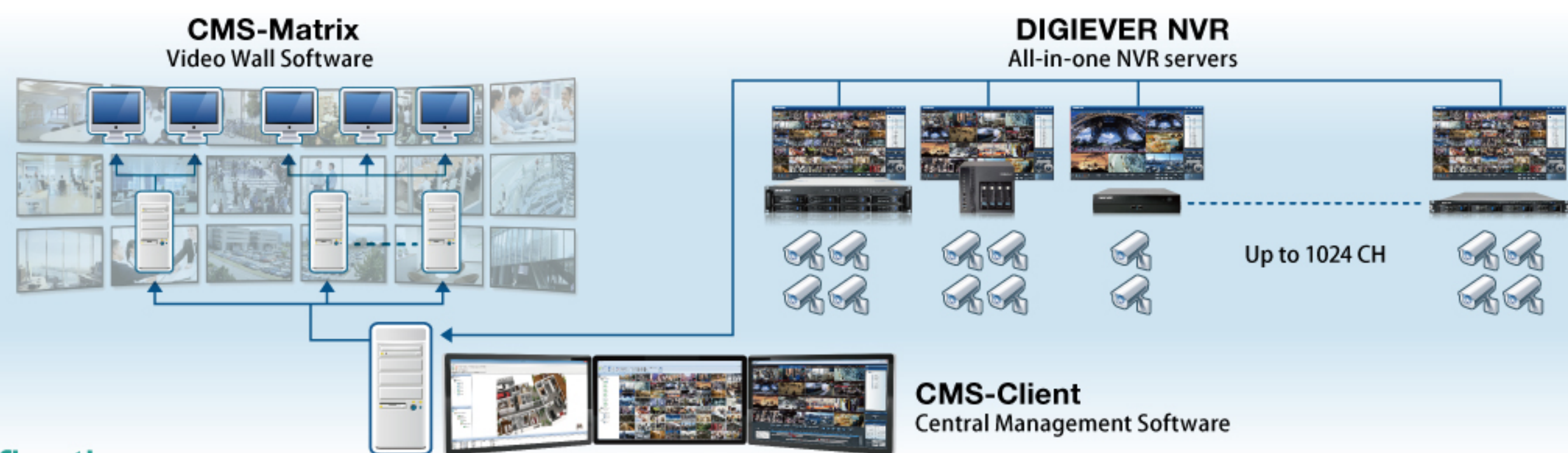
DIGIEVER Backup Server Series						
	DBS-16300-RM series	DBS-8200-RM series	DBS-4100-RM series	DBS-4200 series	DBS-4000 series	DBS-2000 series
DIGIEVER Backup Server						
Model Name	DBS-16364-RM/ DBS-16332-RM	DBS-8264-RM/ DBS-8232-RM	DBS-4132-RM	DBS-4136	DBS-4016	DBS-2016
CPU	Intel High Speed CPU	Intel High Performance CPU	Intel Quad-core CPU	Intel Quad-core CPU	RISC	
Supported Channel	64/ 32 channels	64/ 32 channels	32 channels	36 channels	16 channels	16 channels
Operation System	Linux-embedded	Linux-embedded	Linux-embedded	Linux-embedded	Linux-embedded	Linux-embedded
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 8TB (2.5"/3.5" HDD)	Up to 8TB (2.5"/3.5" HDD)
HDD Tray	24 (Hot Swappable) (NVR:16 + DIGIARRAY Storage Expansion: 8)	16 (Hot Swappable) (NVR:8 + DIGIARRAY Storage Expansion: 8)	4 (Hot Swappable)	4 (Hot Swappable)	12 (Hot Swappable) (NVR:4 + DIGIARRAY Storage Expansion: 8)	10 (Hot Swappable) (NVR:2 + DIGIARRAY Storage Expansion: 8)
Storage Expansion Units (DIGIARRAY)	2 Units	2 Units	N/A	N/A	2 Units	2 Units
Maximum Capacity ³	Up to 384TB (NVR:256TB + DIGIARRAY Storage Expansion: 128TB)	Up to 256TB (NVR:128TB + DIGIARRAY Storage Expansion: 128TB)	Up to 64TB	Up to 64TB	Up to 144TB (NVR:16TB + DIGIARRAY Storage Expansion: 128TB)	Up to 144TB (NVR:16TB + DIGIARRAY Storage Expansion: 128TB)
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-channel simultaneous playback			-		
Remote Multi-server Playback	Up to 16 channels from multiple backup servers					
Playback via DIGIMobileV2	Yes, iOS and Android device					
Video Export	Yes, export to USB device/ DIGIARRAY		Yes, export to USB device		Yes, export to USB device/ DIGIARRAY	
USB Connector	Front: USB2.0x1(For video export) / Rear: USB2.0x4	Front: USB3.0x1(For video export) / Rear: USB2.0x4	Rear: USB3.0x4	Front: USB3.2 x1(For video export) / Rear: USB 3.2 x2	Front: USB2.0x1(for video export) / Rear: USB2.0x2	Front: USB2.0x1(for video export) / Rear: USB2.0x2
Network Port ⁴	Gigabit x 2	Gigabit x 2	Gigabit x 4	2.5 Gigabit x 2	Gigabit x 1	Gigabit x 1
H/W Dimensions	113.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.9(W) x 21.71(D) inch	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch	44(H) x 439(W) x 515(D) mm 1.73(H) x 17.28(W) x 20.27(D) inch	185.5(H) x 170(W) x 230(D) mm 7.3(H) x 6.69(W) x 9.05(D) inch	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch	164.94(H) x 114.97(W) x 246.1(D) mm 6.49(H) x 4.53(W) x 9.69(D) inch

Specifications

DIGIEVER iSCSI Server Series		
	IDS-T16000-RM	IDS-T8000-RM
DIGIEVER iSCSI Server		
Model Name	IDS-T16000-RM	IDS-T8000-RM
CPU	Intel Quad Core Extreme Speed CPU	Intel High Speed CPU
Operation System	Linux-embedded	
Storage Capacity per HDD	Up to 16TB (2.5"/3.5" HDD or SSD)	Up to 16TB (2.5"/3.5" HDD or SSD)
HDD Tray	16 (Hot Swappable)	8 (Hot Swappable)
Maximum Capacity ³	Up to 256TB	Up to 128TB
Storage Expansion Units (DIGIARRAY)	2 Units	
Maximum Capacity with DIGIARRAY	Up to 384TB (NVR:256TB + DIGIARRAY Storage Expansion: 128TB)	Up to 256TB (NVR:128TB + DIGIARRAY Storage Expansion: 128TB)
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 volume	
Maximum RAID Number	Up to 5 volume with DIGIARRAY	Up to 4 volume with DIGIARRAY
USB Connector	Front: USB2.0x1 / Rear: USB2.0x4	
Network Port ⁴	Gigabit x 2	
Two LAN Port Applications	Share IP, Separated IP, Load Balance	Share IP, Separated IP
H/W Dimensions	113.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.9(W) x 21.71(D) inch	88.1(H) x 481(W) x 554(D) mm 3.46(H) x 18.9(W) x 21.8(D) inch
Optional	Redundant Power Supply with Hot-plug design	

Specifications

DIGIARRAY	
	DA-4000E
DIGIARRAY DA Series	
HDD Tray	4 (Swappable)
Hot Swap	Yes
Storage Capacity per HDD	Up to 16TB
Maximum Capacity	Up to 64TB (2.5"/3.5" SATA HDD x 4)
Disk Management	Linear(JBOD), RAID0, RAID1, RAID5, RAID10
RAID Algorithm	Hardware RAID
LED Indicator	eSATA, HDD1, HDD2, HDD3, HDD4
Port	eSATA
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch



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
Immersion 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 Immersion 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	
DIGIEVER Streaming Server	<p>SS-7000-RM</p>
CPU	Intel i7 High Performance Processor
Operation System	Linux-embedded
Supported Channel	128
Dual-streaming per Channel	Yes
Forwarding Performance	Full HD with 4M bitrate : 300 streams / HD with 2M bitrate : 500 streams / CIF with 512k bitrate : 1000 streams
Maximum Number of Account	Up to 1024 accounts
User Privilege	Administrator, Power user and User
Network Load Balance	Yes
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
Network Port	Gigabit x 2
USB Connector	USB2.0 x 6 (Front x 2, Rear x 4)
Video Output Connector	HDMI x 1, VGA x 1 (For local configuration)
Built-in DI/DO (Digital Input/Digital Output)	2-out
H/W Dimensions	44.4(H) x 428.2(W) x 251.3(D) mm 1.7(H) x 16.9(W) x 9.9(D) inch

Specifications

Video Wall Station	
Video Wall Station	<p>VD UHD series</p>
Model Name	VD-0064/49/36/25 UHD
Supported Channel Model	Up to 64/49/36/25
Display Modes	1/2/3/4/5/6/8/9/10/12/16/20/25/30/32/36/42/49/52/64 & 5+1/12+1-channel & sequential and full screen
Video output connector	Yes (HDMI 2.0 x1, HDMI 1.4 x1)
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: 3840 x 2160 (4K UHD), 1920 x 1080 (Full HD), 1024 x 768 (XGA) (2) HDMI 1.4 display port: 1920 x 1080 (Full HD), 1024 x 768 (XGA)
H.265 & H.264 Hardware Decode	(1) In 3840x2160 (4K) Display: 4K(8MP):120FPS, Full HD: 360FPS, CIF: 1080FPS (2) In 1920x1080 (Full HD) Display: 4K(8MP):120FPS, Full HD: 480FP, CIF:1080FPS
Max. FPS in Single Page	(1) In 3840x2160 (4K) Display: 4K(8MP):120FPS, Full HD: 360FPS, CIF: 1080FPS (2) In 1920x1080 (Full HD) Display: 4K(8MP):120FPS, Full HD: 480FP, CIF:1080FPS
Video Compression Format	H.265, H.264, MPEG-4, MJPEG, MxPEG, Zipstream
CPU	Intel Dual-core CPU
Directly Connect to Camera	Yes. Support Integrated Cameras, ONVIF and Generic RTSP/MJPEG
USB Connector	USB 3.0 x 4 (Type A x3, Type C x1) (For keyboard, mouse and USB dongle)
Audio	Yes
LAN Port	Gigabit x2
Remote Controller	Yes (Optional)
H/W Dimensions	177(H) x 43.8(W) x 229.3(D) mm 6.96(H) x 1.72 (W) x 9.02(D) inch

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	IEEE 802.1D (STP), IEEE 802.1W(RSTP), IEEE802.1S (MSTP)		
Link Aggregation (Static Trunking)	o	o	o
Max. LACP Link Aggregation Group	13	9	5
Max. Port per Link Aggregation Group	8	8	8
IGMP Snooping (IPv4 Multi-cast v1/v2/v3)	o	o	o
IPv6 MLD Snooping (IPv6 Multi-cast v1/v2)	o	o	o
VLAN Group (Port-based)	4095	4095	4095
VLAN Group (Tag-based)	4095	4095	4095
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 x 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	



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