DIGIEVER NVR Monitoring

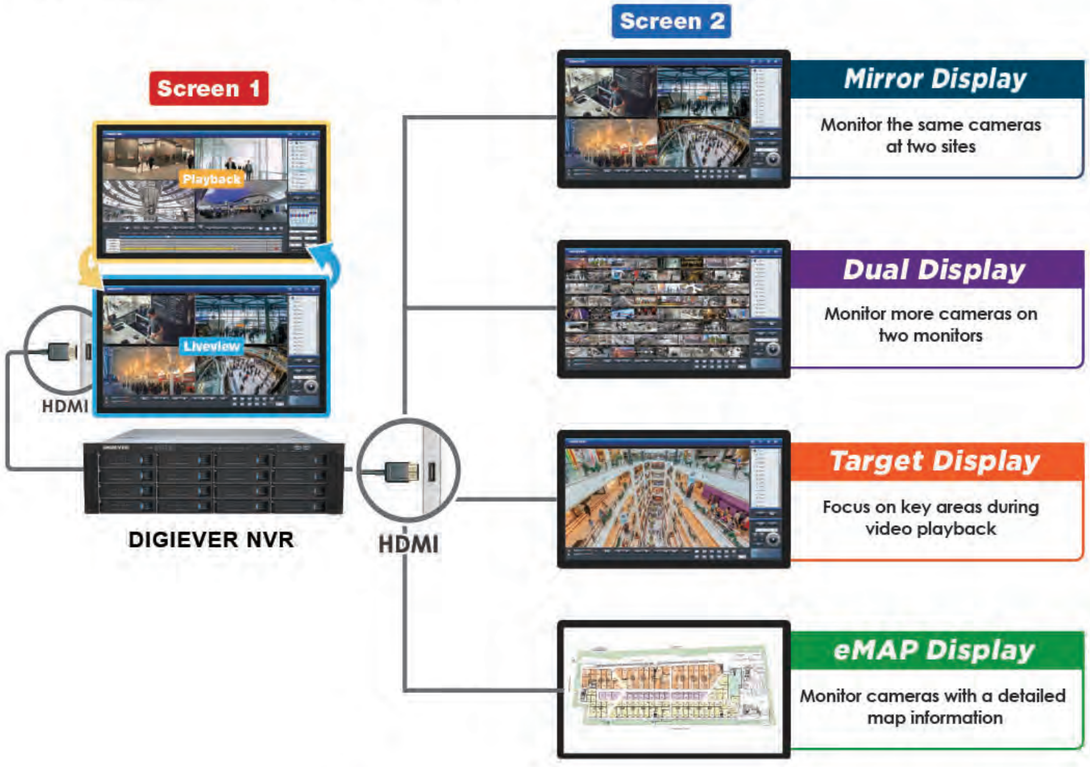
All-in-one Standalone Linux-embedded
4K Hardware Decode Network Video Recorder

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

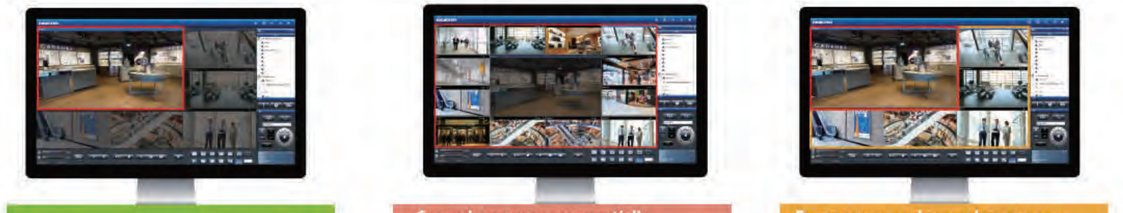
- Mini-CMS server monitoring: Connect 512 channels
- Support 120 FPS camera recording and monitoring
- Built-in NVR relay server
- 5+1/12+1 Focus sequential display mode
- YouTube/ Facebook Live
- Multi-layer dynamic E-map (Pop-out event window, event log history, event instant playback)
- Support DIGI-dewarp
- 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.



Focus screen sequentially only (+1)
Ideal for residential or small business surveillance environments

Secondary screens sequentially only (5 or 12-screen)
Suitable for medium-size surveillance environments

Focus screen and secondary screens sequentially simultaneously
Design for complex surveillance environments

DIGIEVER NVR Playback

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Intuitive Multi-channel Playback

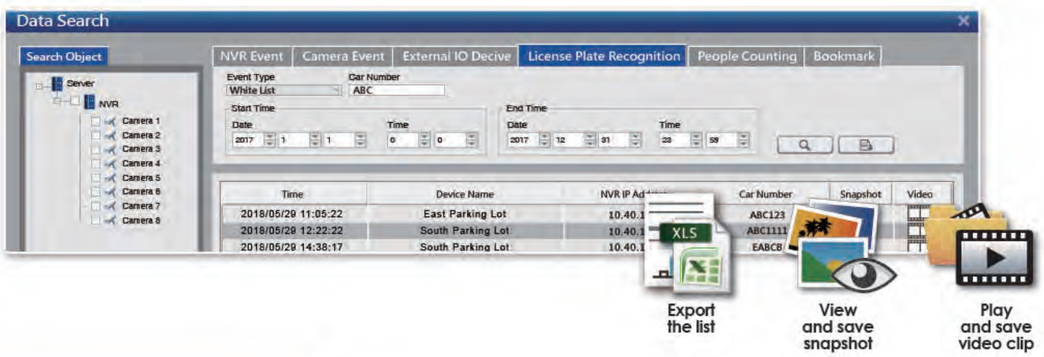
- Maximum 16-channel simultaneous playback
- Multi-NVR playback
- Time-divided search
- Smart search to quickly find key video
- Playback speed control to shorten video tracking time
- Export with OSD files and playback via 3rd party media players
- Add watermark for video export
- Digital watermark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

Bookmark

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

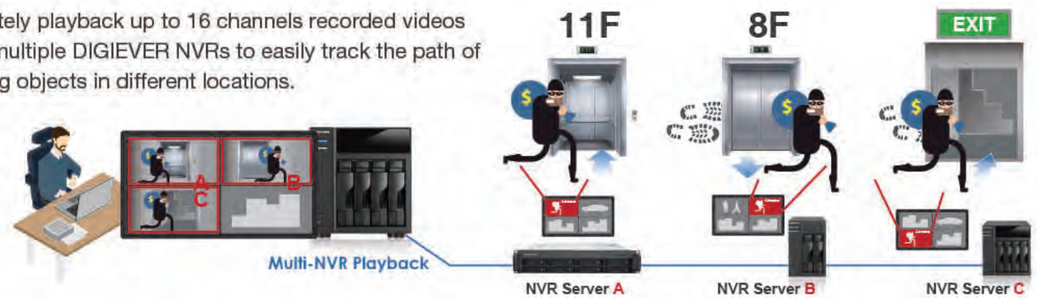
Data Search

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. Retrive 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

REC Recording

All-in-one Standalone Linux-embedded
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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

Advanced Video Recording Feature

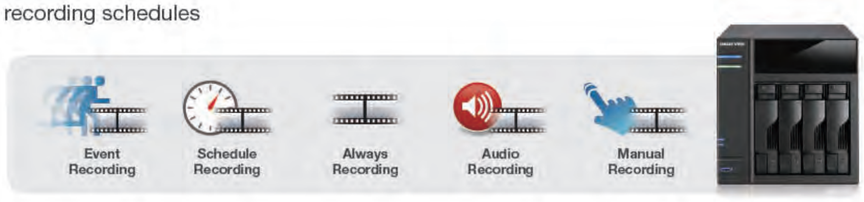
- Event smart recording
- Schedule snapshot
- Flexible video formats: Play in NVRPlayer or in common media players
- Smart threshold & auto recycle storage management
- Multi-RAID configuration for future HDD expansion purpose
- Support iSCSI initiator to expand storage space via iSCSI Server

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

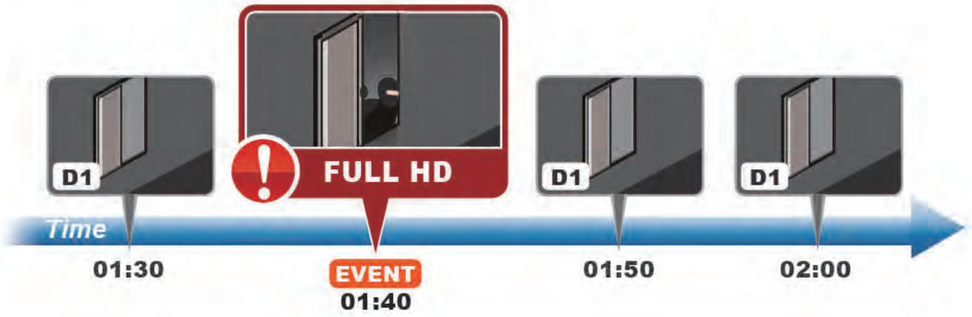


Camera Group Recording

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

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

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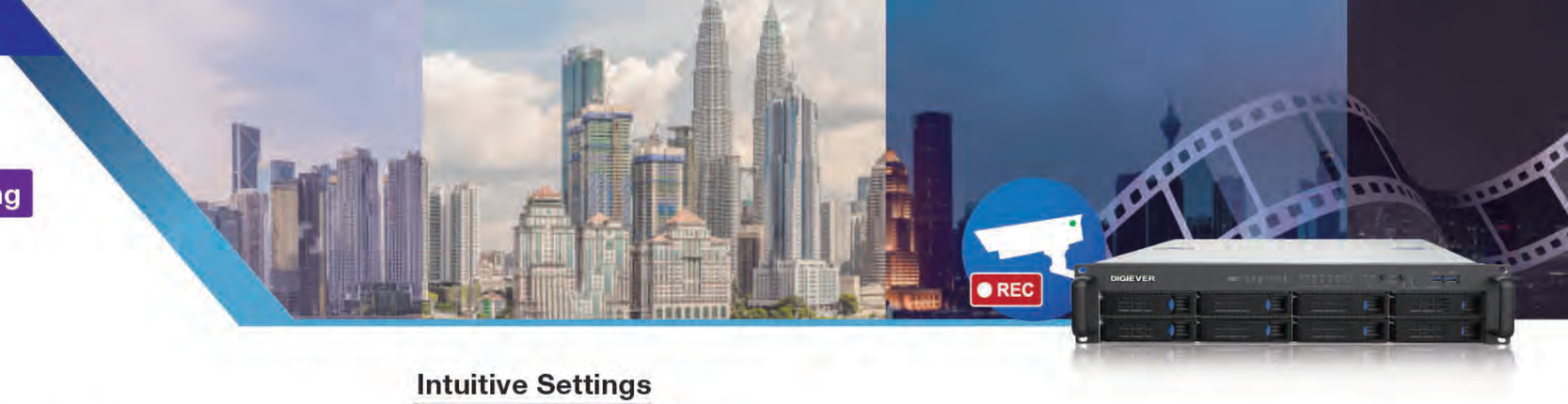


Time-lapse Recording

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.

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

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

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.

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.

Intuitive Settings

1 Methods of Capture Plans

Users can flexibly set preferrable 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

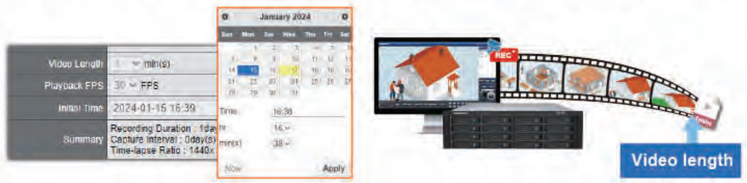
Plant growth | Traffic status

2 Initial Time

Define the time when to start time-lapse recording in advance, saving labor-cost

3 Parameter Summary with Auto-Calculated Time-lapse Ratio

a complete overview to check and identify if the setting is valid or not (30x~86400x)



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	☐
2	Camera 2	Enable	2023-12-22 10:00	2023-01-01 1:00~2023-01-31 23:59	10 minutes	☐
3	Camera 3	Disable	2023-12-22 10:00	2023-01-01 1:00~2023-01-31 23:59	5 minutes	☐
4	Camera 4	Enable	2023-12-22 10:00	2024-01-01 1:00~2024-01-31 23:59	3 minutes	☐
5	Camera 5	Enable	2023-12-22 10:00	2024-01-01 1:00~2024-01-31 23:59	10 minutes	☐

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

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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

Events

Camera Events

Camera Connection Lost
Camera Connection Lost Delay
Camera Motion Detection
Camera Audio Detection
Camera Digital Input
Camera Cross Line Detection
Camera Tampering Detection
People Counting Threshold Alarm
Temperature Detection
Loitering Detection
Foreign Object Detection
Missing Object Detection
Advanced Motion Detection
Human Detection
Low FPS
Object Status Change

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)
NTP Time Sync Failed

NVR Storage Events

RAID Degraded
RAID Rebuilding
RAID Failed
iSCSI Disconnected

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
Camera Digital Output
SNMP Trap
Stack Light
External IO Box
User Defined Action
Backup to External FTP Server
Built-in Digital Output
SMS
NVR Buzzer Alarm
Network Horn Speaker
Go to Preset Point

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

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DIGIEVER NVR as Multiple Backup Solutions

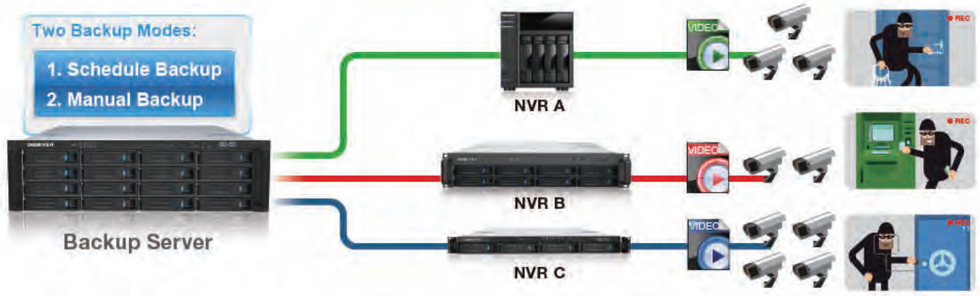
- DIGIEVER NVR as backup server
- Instant export while playback videos
- Export files with password on playback page
- Edge backup: simultaneous recording and mutual backup

Diverse Backup Methods

- One touch USB backup
- Remote backup to NAS / 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

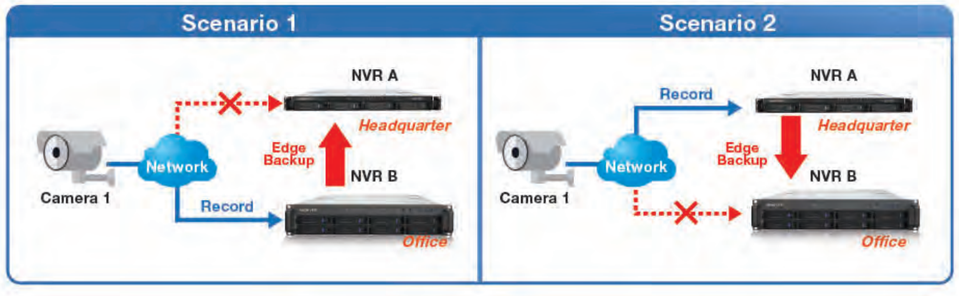
DIGIEVER NVR as Backup Server

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.

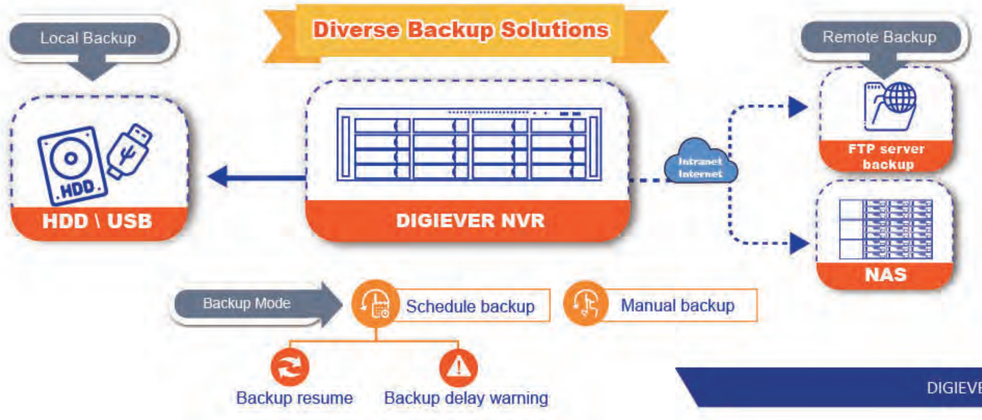


One Touch USB Backup

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

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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)

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

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

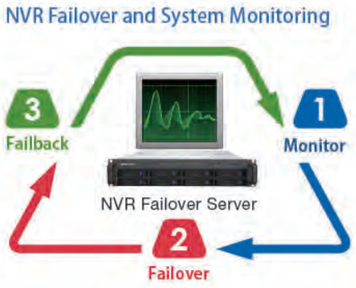
NVR will automatically recover system, restore missing files and send event notification when power resumes after an outage to assure completeness of video.

Detailed Log Information

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

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.



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

User Interface & Integration

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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

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 devic
- Integrated with AI Box device*

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.

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.