DIGIEVER NVR

User Interface & Integration

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

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

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

Effortless Access

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

User-friendly Design

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

Mobile NVR

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

E13 Linux intel INSIDE 4K UHD H/W DECODE

Excellent Display Performance

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

Superb Hardware Design

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

High Integration Ability

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

NVR Failover Server

Multi-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 serviceand start to monitor multiple NVRs.
  - At the same time, Failover server will upload recorded videos to NVR.
- **Playback Videos Anytime:**
  - Both NVR and Failover server can keep failover period's video for playback.
- **User-friendly playback design:**
  - Provide playback control panel, smart search and AI Search for intuitive operation

Superior Hardware Design

- **18TB high Storage Capacity per HDD:**
  - Possess up to 288TB storage capacity
- **Flexible Storage Expansion Ability:**
  - Expand extra storage capacity via iSCSI
- **Diverse RAID Levels:**
  - Increase server reliability to protect crucial video data
- **Hot Swappable HDD Design:**
  - Replace the failed HDD on runtime
- **S.M.A.R.T HDD Health Monitoring:**
  - Prevent video loss from HDD failure in advance
- **Various Video Backup Methods:**
  - Easily backup your important videos
- **Highly Integrated with UPS Device:**
  - Maintain surveillance functionality and keep you safer
- **Multi-language support:**
  - Satisfy localized user experience

Three Modes to Ensure NVR's Recording and Monitoring

1 Monitor mode: Monitor Multiple NVR

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

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

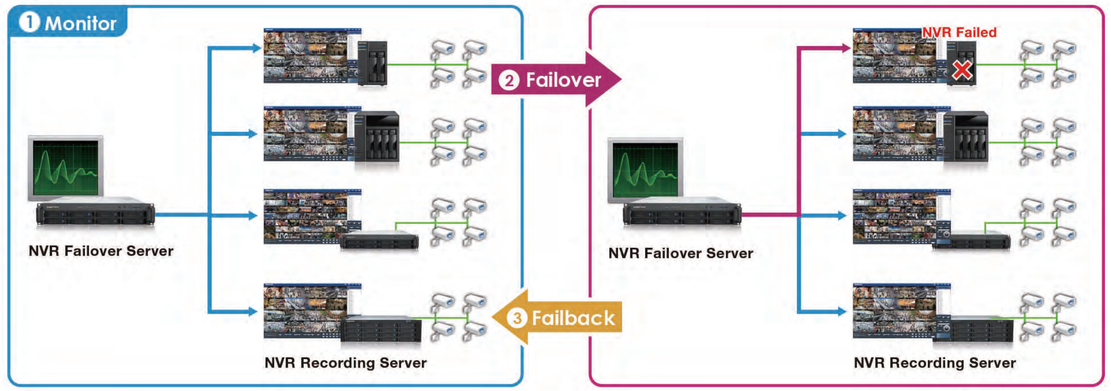
NVR RAID Status:
Once the RAID in NVR recording server is inactive, Failover server will take it over.

2 Failover mode: Takeover the failed NVR

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

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

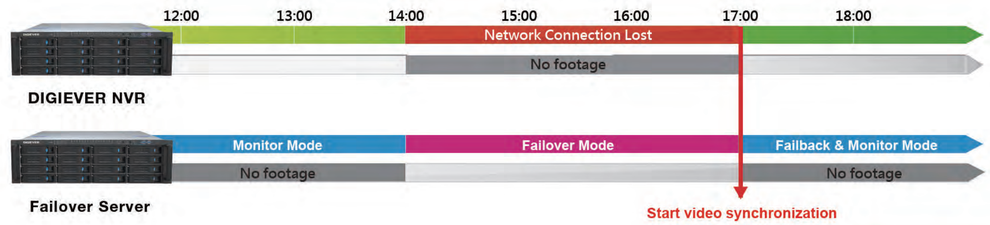
NVR RAID Status:
Once Failover server detects that NVR has been changed with a new HDD and starts to record video, Failover server will stop taking over NVR.



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

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

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



Video Backup Server

Multi-NVR Video Backup Server

Central Backup and Storage Capacity

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

Playback and Double Backup

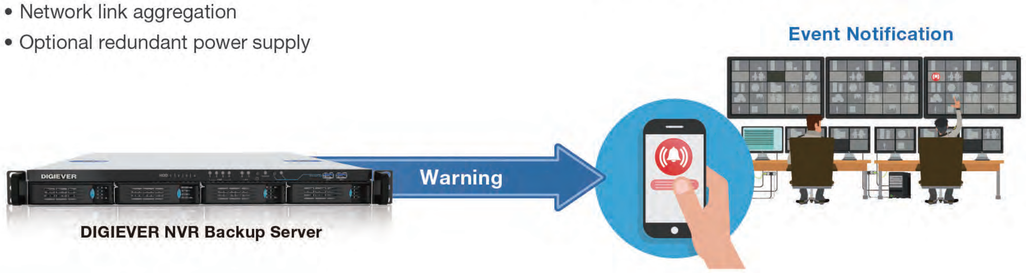
- Directly playback video on Backup server
- Multi-server and multi-channel simultaneous playback
- Remote playback via PC, iOS/ Android devices
- Smart search, region of interest (ROI), time-divided search and DIGI-dewarp
- Instant export with portable NVRPlayer
- Video export with watermark to reveal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

Superior Hardware Design

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

Self-monitoring and Compatibility

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



iSCSI Server

Linux-embedded iSCSI Storage Expansion Server for DIGIEVER NVR

N+M iSCSI Storage Expansion Architecture

Large-scale video storage expansion solution for DIGIEVER NVR

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

Remarkable Storage Capability

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

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

Self-Monitoring and Smart Notification

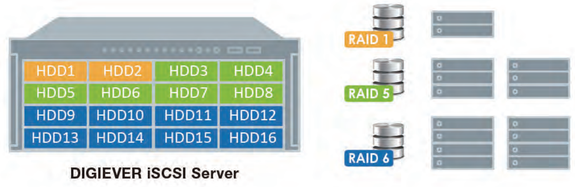
24/7 Self-monitoring to immediately notify any potential risks of iSCSI Server

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

Multi-RAID Storage Management

Freely define different RAID types for future HDD expansion

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



Superior Hardware Design

Ensure iSCSI Server works sound and safe

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