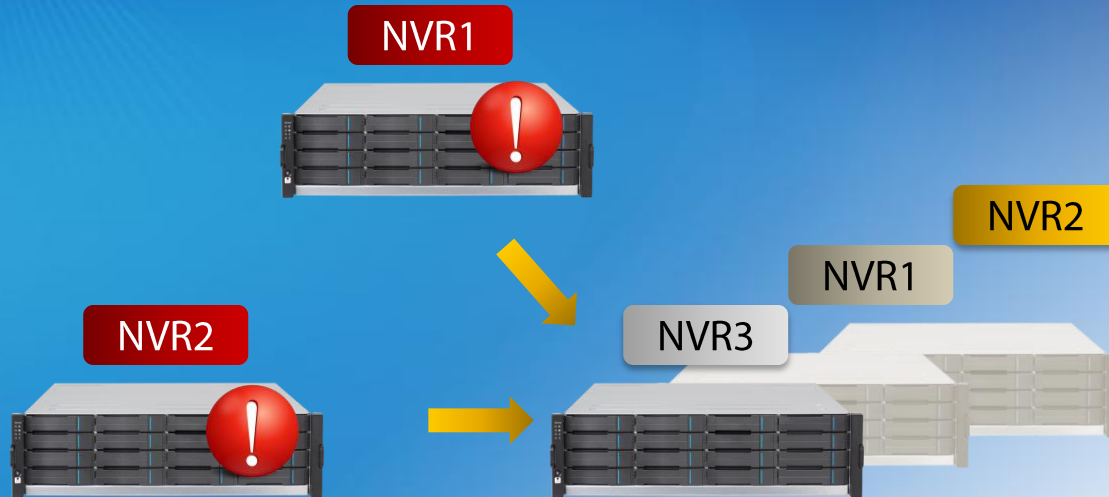


Surveon Avatar Failover

Continuous Record Through Collaborative NVRs



Surveon Avatar Failover Introduction

Surveon Avatar Failover Advantages

Benefits to Customer

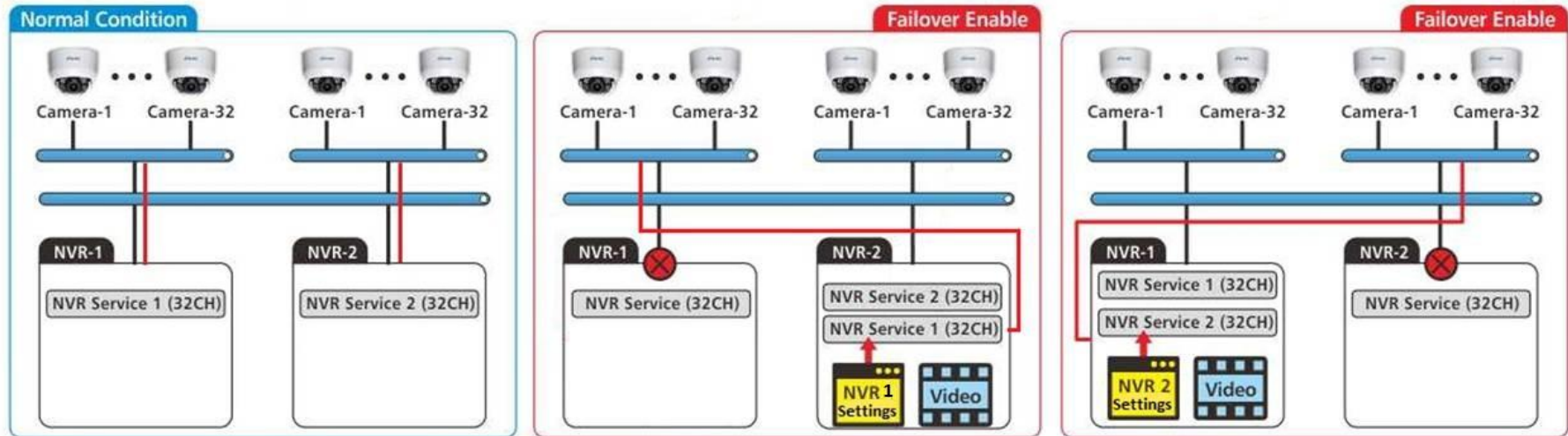
License Remark

Success Case



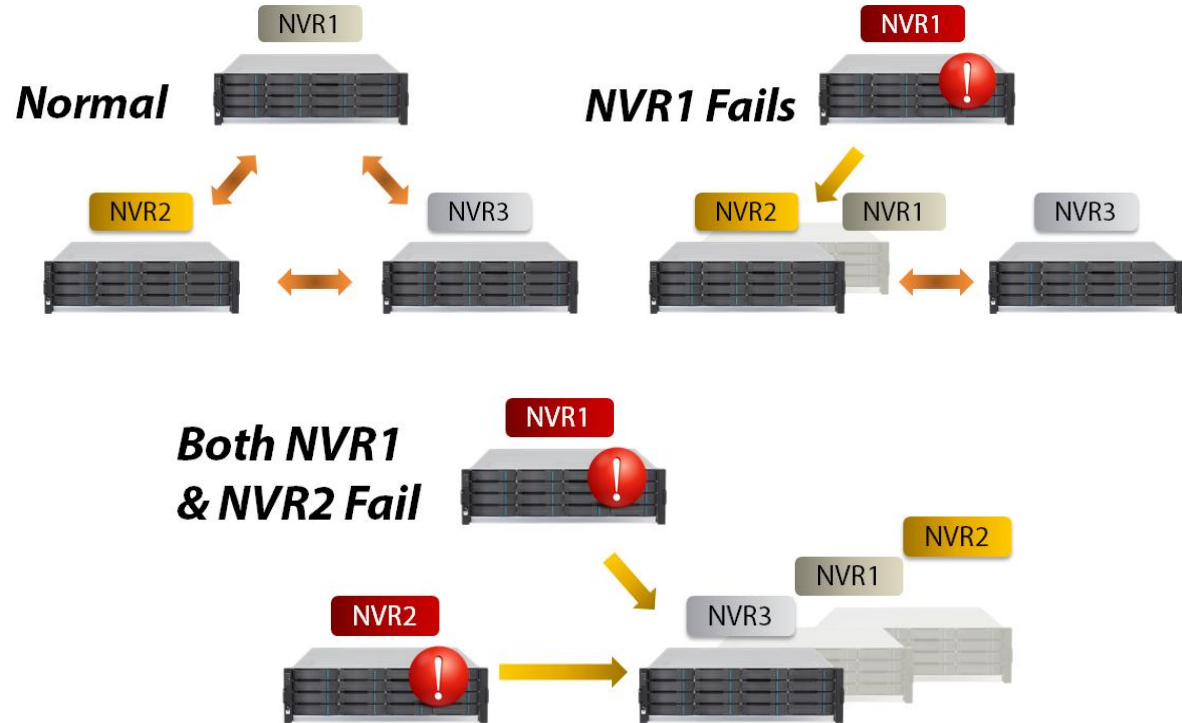
What is Avatar Failover – Introduction (1/2)

- **Normal Condition:** Support **mutual failover (1-on-1 or multiple to multiple)** among NVRs, both NVR-1 and NVR-2 in the system could **perform recording and serve as failover NVR** for each other.
- **Failover Enable:** The NVR-1 not only take over the recording work of NVR-2 but also **clone the original settings** of it, making the failover NVR(NVR-1) become an avatar of protected NVR(NVR-2).



What is Avatar Failover – Introduction (2/2)

- **Advanced Video Protection:** Even if the enabled failover NVR(NVR2) dead, a workable NVR(NVR3) in the system can take over recording work for it and **continuous record for protected NVR(NVR1) and failover NVR(NVR2)**, giving partners a solid solution to solve the problem of normal N+M failover.



Surveon Avatar Failover Advantages

Budget Saving

- No spare NVR needed. All NVRs perform recording under normal situation.
- Only share the licenses with NVR camera licenses for failover purpose.

More Than Recording

- Only set the recording rules once. When NVR1 fails, the NVR2 will clone the rules such as event rules of it then take over the recording work for it with seamless transferring.

Flexible Architecture

- Support different system structures.
- No need to be same model and FW version, the NVRs in system still can be failover for each other.

Advanced Video Protection

- Even if the enabled failover NVR dead, the workable NVR in the system can take over the recording work for it and continuous record for protected NVR and the failover NVR.

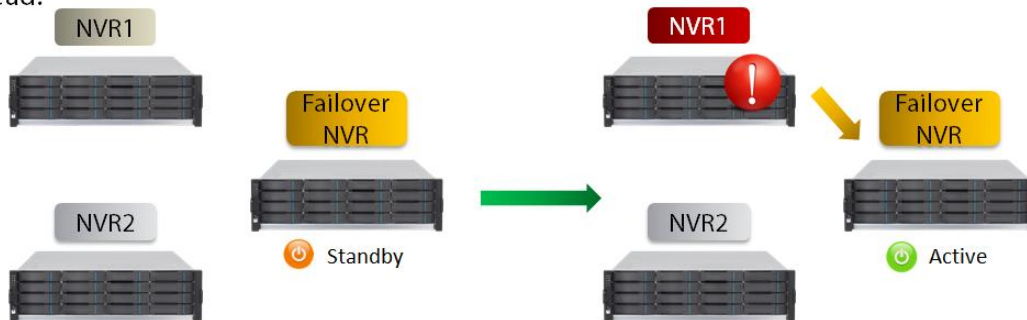
Budget Saving

- All NVRs can record normally **without having to spare one NVR** simply for Failover purpose.
- Failover can **share the licenses** of camera.

2+1

Conventional

Failover NVR is not working under normal situation, it will be enabled when NVR1 or NVR2 dead.



1+1

Surveon

Both NVR1 & NVR2 are working under normal situation, if one of them fails, the other NVR will be enabled as a Failover NVR.

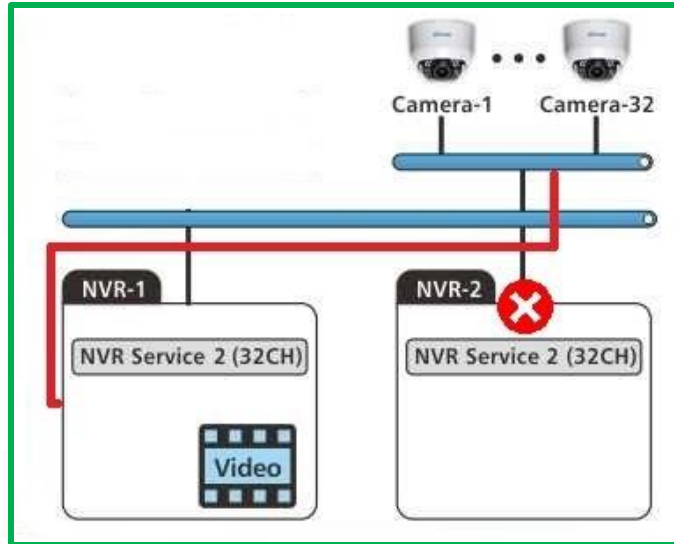


* No spare NVR needed.

More Than Recording

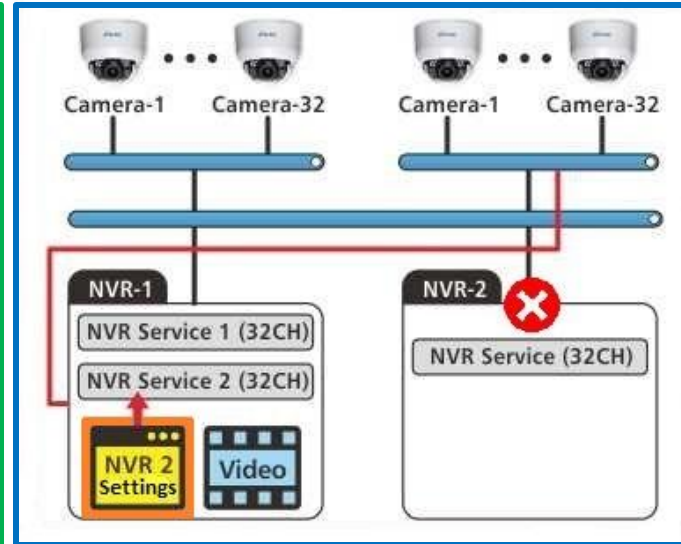
- In usual failover mechanism, failover NVR(NVR-1) can only support protected NVR(NVR-2) live view and playback. Surveon Avatar Failover allows NVR-1 to **clone the recording and event rules** of NVR-2 then take over the recording work for it.

Conventional



*Video only

Surveon



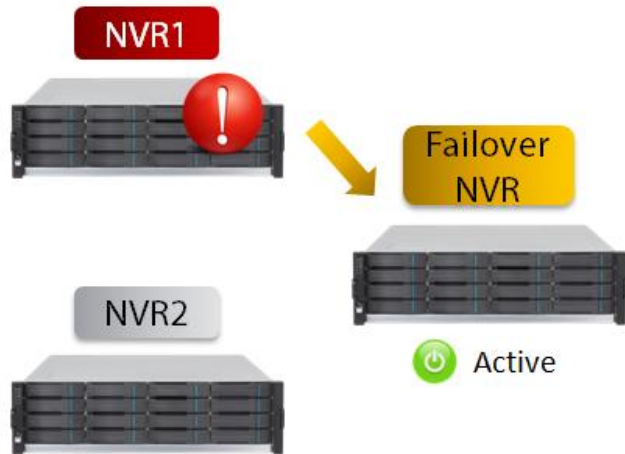
*Video with setting perimeters

Flexible Architecture

- Support different system structures: (A) **1 failover NVR to multiple protected NVRs** (B) **Multiple failover NVRs to multiple protected NVRs.**
- Allow **different models and firmware versions'** NVRs to be failover for each other.

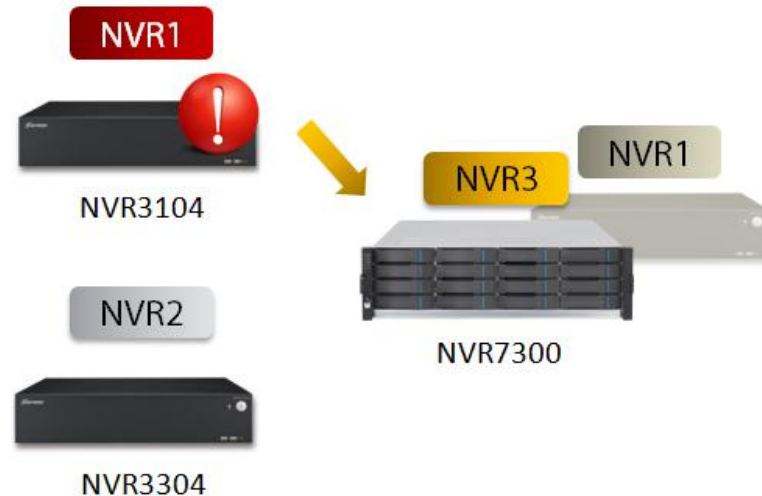
Conventional

All NVRs in the system need to be same model and FW version.



Surveon

All NVRs in the system don't need to be same model and FW version.

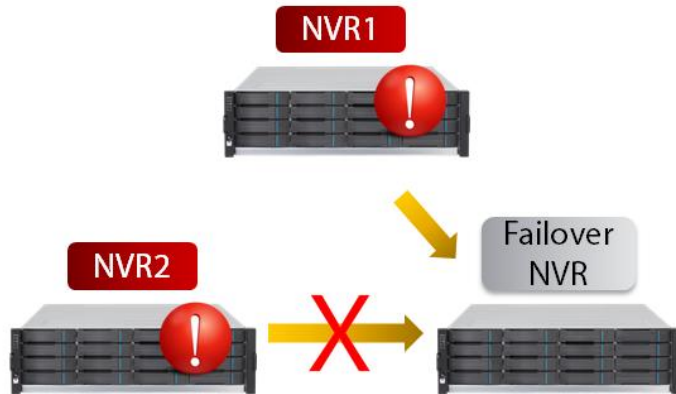


Advanced Video Protection

- With N+M failover, once the enabled failover NVR dead, there is no other NVR can take over the recording work of protected NVR. But with Surveon Avatar Failover, even if the enabled failover NVR dead, a workable NVR in the system **can take over the recording work for both protected NVR and the failover NVR**.

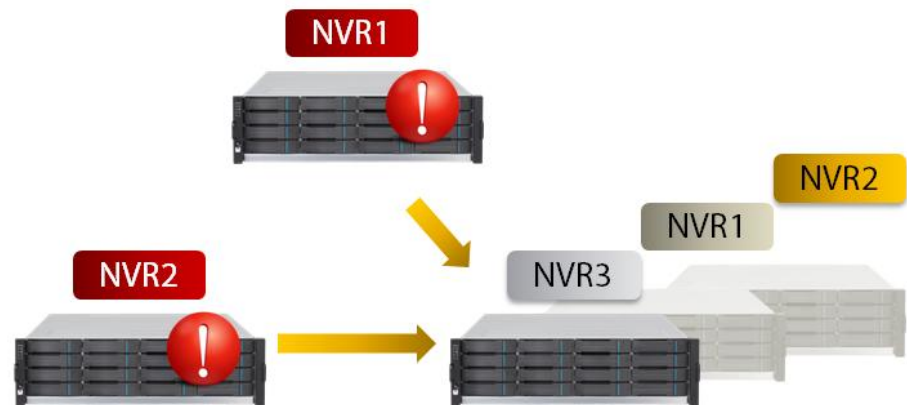
Conventional

Both NVR1 & NVR2 Fail



Surveon

Both NVR1 & NVR2 Fail

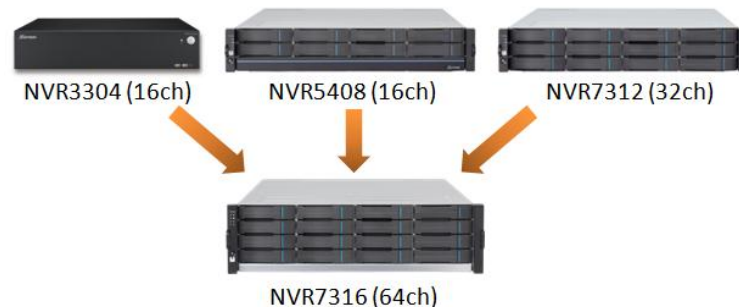


Usage Models

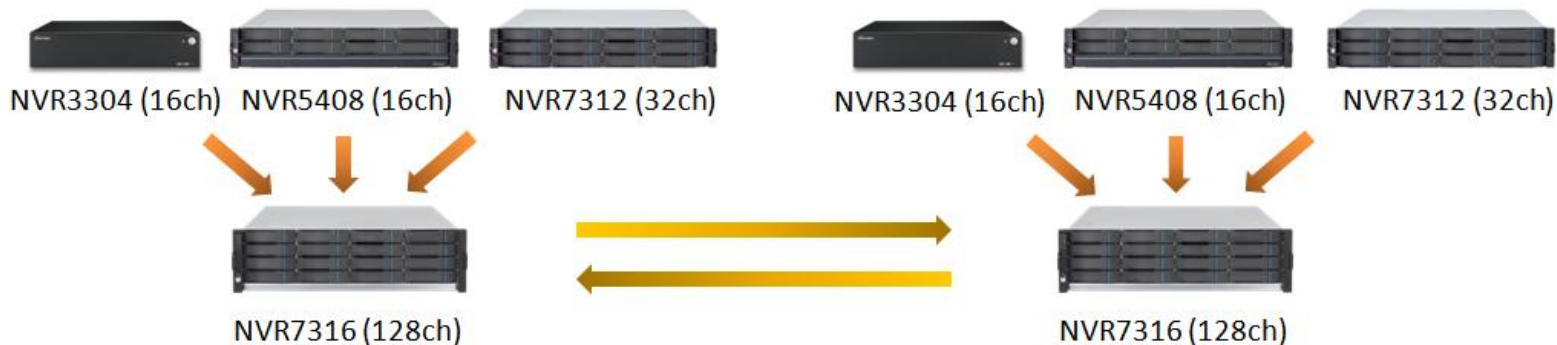
1-on-1



1 failover NVR to multiple protected NVRs



Multiple failover NVRs to multiple protected NVRs



Benefits to Customer

Saving budget of buying spare NVR and failover licenses



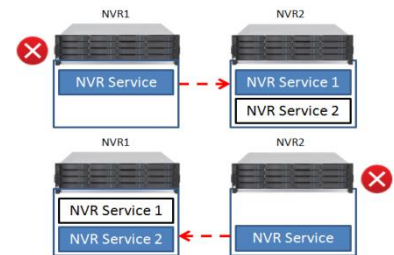
Saving time of setting rules when failover NVR took over the recording work of protected NVR



Easy monitoring that all videos can be viewed by one of NVRs in system



Advanced video protection that NVRs in system can be mutual failover for each other



License Remark

Share Camera Licenses

- Failover can share the licenses of camera.



- Failover licenses only support the same amount of cameras.

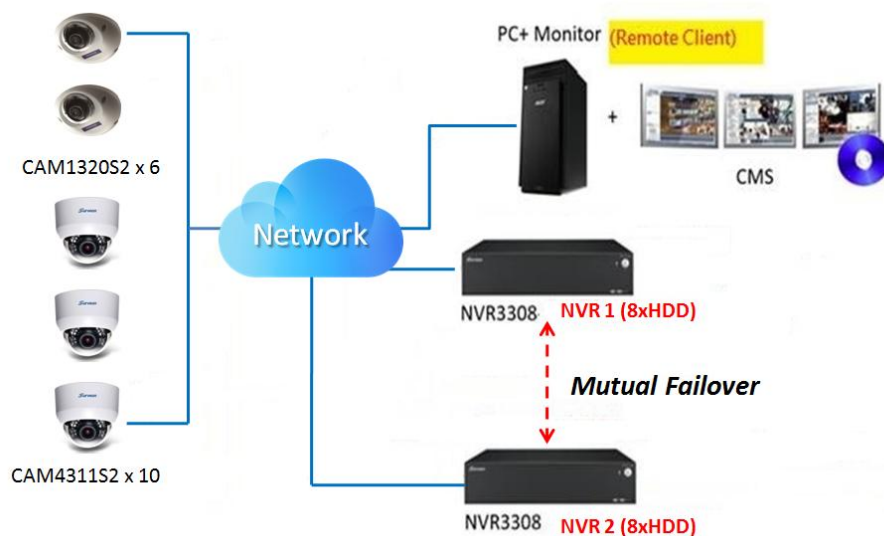


- Only NVR FW version 4.0 or above support Avatar Failover solution.

Model	Max. Channels
NVR3308E1	32
NVR3308A1 NVR5412E1 NVR5416E1	64
NVR5412A1 NVR5416A1	96
NVR7312 NVR7316	128

Success Case

- Customer: Taipei City Hospital, the largest medical organization in Northern Taiwan.
- Project Needs & Challenge: Emergency room required to keep half a year recording data.
- Solutions: The peer mode **supports 1-on-1 failover among two NVR3308**. When one of NVRs fails, the other NVR will take over recording and save the failed NVR's videos to its **internal storage**.
- Benefits: For **middle-large projects with limited budget**, this failover working model provides the best C/P solution, allowing the system to record continuously for long time **without having an extra iSCSI storage**.



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The background is a deep blue gradient. On the left side, there are several overlapping, flowing, light blue lines that create a sense of movement and depth. These lines are composed of many thin, parallel lines that form a grid-like pattern in some areas, while being more fluid and curved in others. The overall effect is a modern, tech-oriented aesthetic.

Thank You

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