

Instek Digital™ NVR Failover server is a redundant NVR server- which automatically takes over operation of the NVR server in case of a malfunction. Ensuring non-stop NVR recording- Instek Digital™ designed the NVR Failover server.

The NVR FO server eliminates risk of malfunction of the NVR server. The redundant NVR will continuously detect whether the NVR is still functional and immediately takes over Instek Digital™ NVR Failover server’s operations. Instek Digital™ NVR Failover server can monitor up to 64 NVR’s simultaneously and take over recording responsibilities in case of a malfunction at any given time.

A NVR FO server can also monitor other NVR FO servers in the group and take over the operations in case of failing NVR FO server. The NVR FO will record 24/7 for all subscribed channels when taking over- regardless what the original configuration (event-triggered or scheduled)



Instek Digital™ NVR FO is the perfect solution for preventing video-loss.

Key Features

- Distributed architecture
- No single point of failure
- Monitor up to 64 NVRs simultaneously
- Automatically takes over NVR operations including all configurations
- Manageable by Instek Digital™ VMS Command Center and CCWeb
- Multiple NVR-FO servers can monitor each other
- NVR-FO will take over the operating of a failing NVR
- NVR will automatically retrieve video/audio from the NVR-FO, when NVR is back online
- NVR-FO will go back into standby mode as soon as the NVR is back online
- Up to 128 channels (4 Mb/channel)

Models:

Description:

| | |
|---------------------|-----------------------------------------|
| HR-FO50X8-SW | 128 camera channel NVR failover license |
| HR-FO5064-SW | 64 camera channels NVR failover license |
| HR-FO5032-SW | 32 camera channels NVR failover license |
| HR-FO5016-SW | 16 camera channels NVR failover license |
| HR-FO5008-SW | 8 camera channels NVR failover license |
| HR-FO5004-SW | 4 camera channels NVR failover license |
| HR-FO5002-SW | 2 camera channels NVR failover license |
| HR-FO5001-SW | 1 camera channel NVR failover license |

a) Product specifications and availability are subject to change without notice.
 b) Instek Digital is a registered trademark of Good Will Instrument Co., Ltd.

INSTEK DIGITAL

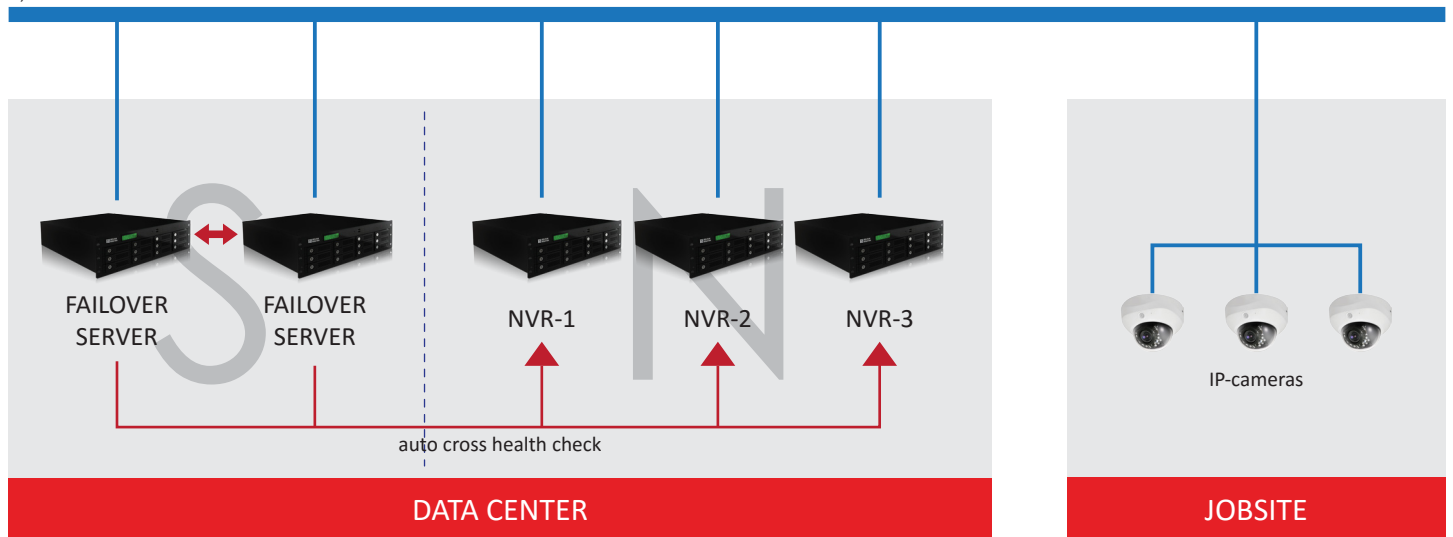
Instek Digital is a video surveillance business unit of Good Will Instrument Co., Ltd. and focus on the development of high quality digital surveillance solutions. The company inherited over 20-years of surveillance experience. Instek Digital has the luxury of a strong financial background supported by Good Will Instrument Co., Ltd. – has over 40-years of electronics R&D and manufacturing experience. And Good Will Instrument Co., Ltd. is also listed on the Taiwan Stock Exchange.

Instek Digital offers a wide array of video surveillance software and hardware – under the brand of Instek Digital. The core design are based on the following principles; “User-Friendliness”, “Scalability” and “Reliability”. Instek Digital’s solutions are based on an open platform – creating seamless third party integration. With this concept Instek Digital has created a business model that can meet every aspect in today’s surveillance demand. The results speak for themselves – based on small and large projects that we have deployed around the world.

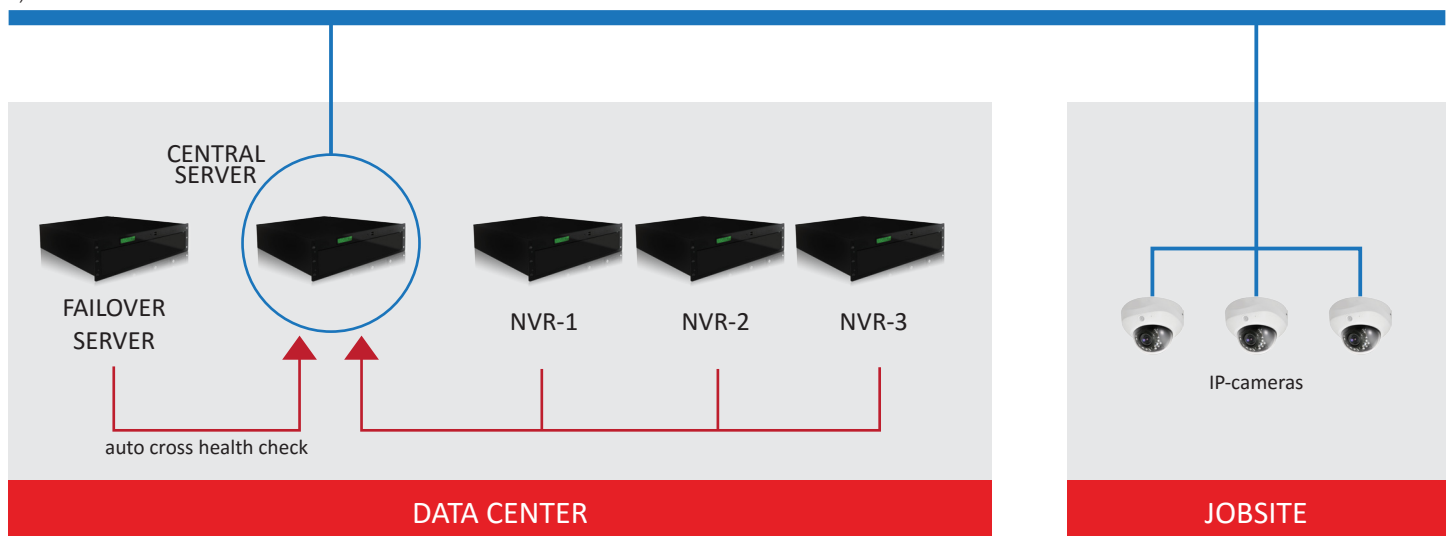
NO SINGLE POINT OF FAILURE

Instek Digital system architecture has been designed to eliminate single point of failure and allow maximum uptime. The distributed architecture of Instek Digital allows any failover NVR to take over the operations of a failover NVR. Even a failing NVR FO can be taken over. In contrast with a central architecture- which requires a central server and risk single point of failure. Instek Digital distribute architecture provides flexibility- without any risk of video-loss.

A) Distributed Architecture



B) Centralized Architecture



Instek Digital’s distributed architecture- multiple NVR’s are connected to the network and in any case a failure occurs- Instek Digital’s NVR Failover server (NVR-FO) will take over the functionalities of the original failing NVR. This results in a seamless operation without any interruption. N represents the operation of the host and S represents the standby host.

| Specifications | HR-FO5001 | HR-FO5002 | HR-FO5004 | HR-FO5008 | HR-FO5016 | HR-FO5032 | HR-FO5064 | HR-FO50X8 |
|---------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Operating system | X86 Linux | | | | | | | |
| System architecture | distributed | | | | | | | |
| Storage space | takeover device | | | | | | | |
| Monitor no. of NVRs | unlimited | | | | | | | |
| Number of channels | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 |
| Takeover time | < 30 seconds | | | | | | | |