

DIGIEVER NVR Comparison			
DIGIEVER NVR	DS-8200-RM Pro Series	DS-4200-RM Pro Series	DS-4200 Pro Series
			
DIGIEVER NVR Models	DS-8236/8232/8225/8220/8216/8212/8209-RM Pro	DS-4236/4232/4225/4220/4216/4212/4209-RM Pro	DS-4236/4232/4225/4220/4216/4212/4209/4205 Pro
Supported Channel Number	Up to 36/32/25/20/16/12/9	Up to 36/32/25/20/16/12/9	Up to 36/32/25/20/16/12/9/5
Operating System	Linux-embedded	Linux-embedded	Linux-embedded
Maximum Network Throuhput ¹	360Mbps	360Mbps	360Mbps
Full HD Local Display ²	Yes (HDMI/VGA)	Yes (HDMI/VGA)	Yes (HDMI/VGA)
Frame Rate in Full HD/HD Local Display ³	Up to 200/300fps	Up to 200/300fps	Up to 200/300fps
Storage Capacity per HDD	Up to 4TB	Up to 4TB	Up to 4TB
Maximum Capacity ⁴	Up to 32TB (2.5"/3.5" SATA HDD x 8)	Up to 16TB (2.5"/3.5" SATA HDD x 4)	Up to 16TB (2.5"/3.5" SATA HDD x 4)
HDD Tray	8	4	4
Multi-NVR Server Monitoring ⁵	Yes (Up to 144 channels)		
Video Format	MJPEG, MPEG-4, H.264 (Depending on the camera models)		
Disk Configuration	Single, JBOD, RAID 0/1/5/10	Single, JBOD, RAID 0/1/5/10	Single, JBOD, RAID 0/1/5/10
CPU	Intel	Intel	Intel
Built-in DI/DO (Digital Input/ Digital Output)	4-in, 2-out	4-in, 2-out	4-in, 2-out
USB BACKUP	Yes	Yes	Yes
LAN Port ⁶	Gigabit x 2	Gigabit x 2	Gigabit x 2
USB Connector	Front: USB 3.0 x 1 (For USB back up) Rear: USB 2.0 x 4	Front: USB 3.0 x 1 (For USB back up) Rear: USB2.0 x 4	Front: USB 2.0 x 2 (one for USB back up) Rear: USB2.0 x 4
H/W Dimensions	88.1(H) x 481 (W) x 661.65(D) mm 3.46(H) x 18.9(W) x 26(D) inch	44.1(H) x 481 (W) x 661.65(D) mm 1.73(H) x 18.9(W) x 26(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

DIGIEVER NVR	DS-2100 Pro Series	DS-1100 Pro Series	DS-4000 Series	DS-2000 Series
				
DIGIEVER NVR Models	DS-2136/2132/2125/2120/2116/2112/2109/2105 Pro	DS-1136/1132/1125/1120/1116/1112/1109/1105 Pro	DS-4032/4025/4020/4016/4012/4009/4005	DS-2032/2025/2020/2016/2012/2009/2005
Supported Channel Number	Up to 36/32/25/20/16/12/9/5	Up to 36/32/25/20/16/12/9/5	Up to 32/25/20/16/12/9/5	Up to 32/25/20/16/12/9/5
Operating System	Linux-embedded	Linux-embedded	Linux-embedded	Linux-embedded
Maximum Network Throuhput ¹	360Mbps	360Mbps	150Mbps	150Mbps
Full HD Local Display ²	Yes (HDMI/DVH)	Yes (HDMI/DVH)	-	-
Frame Rate in Full HD/HD Local Display ³	Up to 200/300fps	Up to 200/300fps	-	-
Storage Capacity per HDD	Up to 4TB	Up to 4TB	Up to 3TB	Up to 4TB
Maximum Capacity ⁴	Up to 8TB (2.5"/3.5" SATA HDD x 2)	Up to 4TB (2.5"/3.5" SATA HDD x 1)	Up to 12TB (2.5"/3.5" SATA HDD x 4)	Up to 8TB (2.5"/3.5" SATA HDD x 2)
HDD Tray	2 (Internal)	1 (Internal)	4	2
Multi-NVR Server Monitoring ⁵	Yes (Up to 144 channels)			
Video Format	MJPEG, MPEG-4, H.264 (Depending on the camera models)			
Disk Configuration	Single, JBOD, RAID 0/1	Single	Single, JBOD, RAID 0/1/5	Single, JBOD, RAID 0/1
CPU	Intel	Intel	RISC	RISC
Built-in DI/DO (Digital Input/ Digital Output)	-	-	4-in, 2-out	4-in, 2-out
USB BACKUP	Yes	Yes	Yes	Yes
LAN Port ⁶	Gigabit x 1	Gigabit x 1	Gigabit x 1	Gigabit x 1
USB Connector	USB 3.0 x 2 and USB 2.0 x 4	USB 3.0 x 2 and USB 2.0 x 4	Front: USB 2.0 x 1 (For USB back up) Rear: USB2.0 x 2	Front: USB 2.0 x 1 (For USB back up) Rear: USB2.0 x 2
H/W Dimensions	63.2(H) x 295(W) x 271(D) mm 2.49(H) x 11.61(W) x 10.67(D) inch	58.5(H) x 237(W) x 192(D) mm 2.3(H) x 9.33(W) x 7.56(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

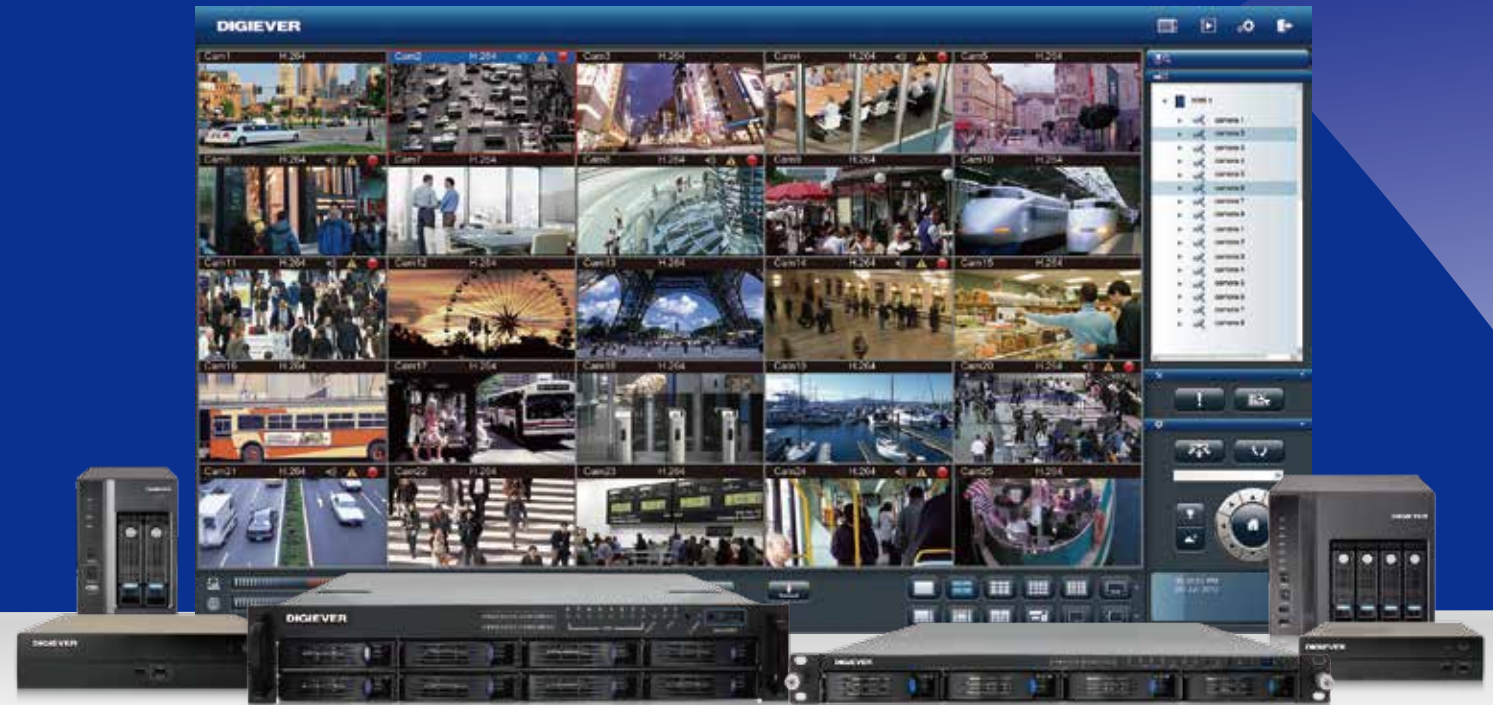
Note 1. Maximum network throughput is varied in different environment.
Note 2. The maximum resolution in live view and playback of local display supports up to Full HD.
Note 3. Frame rate in Full HD/HD local display is based on camera's compression format H.264.

Note 4. The standard system is shipped without HDD.
Note 5. Multi-NVR server monitoring is not supported in local display interface.
Note 6. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.

All designs and specifications are subject to change without prior notice

DIGIEVER

Integrated IP Video Surveillance Solutions



DIGIEVER NVR Series

PC-less and Linux-embedded Standalone NVR



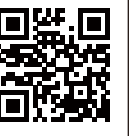
Complete Network Surveillance System with Local Display, Remote Monitoring and High Performance Megapixel Recording

Compatible Network Camera Brands and Partners



For more detailed information, please visit DIGIEVER website:

www.digiever.com



Powerful DIGIEVER NVR Features

DIGIEVER is a Linux-embedded standalone NVR and its members include DS-8200-RM Pro Series, DS-4200-RM Pro Series, DS-4200 Pro Series, DS-2100 Pro Series, DS-1100 Pro Series, DS-4000 Series and DS-2000 Series. These series are powered by high performance CPU and perform excellent network surveillance of multiple IP cameras up to 36 channels of single server and up to 144 channels of multiple servers. DIGIEVER NVR supports local display of Full HD quality, remote monitoring, megapixel recording and playback. The monitoring demands can be satisfied anywhere and anytime by local display monitoring, remote web browser monitoring, iOS and Android mobile monitoring.

Brilliant Full HD Local Display

- **Various Display Modes**
- **Full HD 200fps Monitoring**
- **HD 300fps Monitoring**
- **Convenient Control of PTZ and Speed Dome Cameras**
- **Digital Zoom in/ Zoom out**

DIGIEVER NVR offers 1/4/6/9/12/16/20/25 local display modes. DIGIEVER NVR supports video output via HDMI/ VGA/DVH connector for high image quality local display. Based on dual-stream technology, users can experience up to 25 channels real time local display with Full HD recording. Also, users can control the pan, tilt and optical zoom of IP camera in local display interface. Both monitoring and configuration can be accessed in local display.

Note 1. Frame rate in Full HD/HD local display is based on camera's compression format H.264.
Note 2. The maximum FPS might be varied from different environments.
Note 3. The maximum resolution in live view and playback of local display supports up to Full HD
Note 4. Local display is supported in DS-8200-RM Pro Series, DS-4200-RM Pro Series, DS-4200 Pro Series, DS-2100 Pro Series, DS-1100 Pro Series.



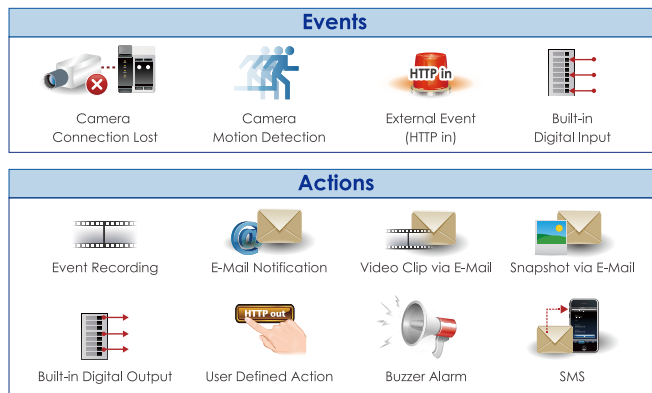
Remote monitoring, anytime, anywhere

Powerful Event Management

- **Event Triggered Recording**
- **Email Notification**
- **Video Clip/Snapshot via Email**
- **Buzzer Alarm**
- **User-defined Actions**
- **Short Message Service (SMS)**



Buzzer alarm



When an event is triggered, DIGIEVER NVR can take various and completed actions. In addition, users can utilize built-in DI/DO to connect access control and security device, such as fire alarm system.

Note 1. Built-in DI/DO is supported in DS-8200-RM Pro Series, DS-4200-RM Pro Series, DS-4200 Pro Series, DS-4000 Series, DS-2000 Series.



Video output via HDMI/VGA or HDMI/DVH

Real-time Remote Monitoring

- **Multi-NVR Server Monitoring**
- **Multiple Web browsers**
- **Various Monitoring Modes**
- **Convenient Control of PTZ and Speed Dome Cameras**
- **Digital Zoom in/ Zoom out**

DIGIEVER NVR lets users monitor remotely via five main browsers in Windows, including IE, Chrome, Firefox, Safari and Opera browser. In remote web browser interface, DIGIEVER NVR offers 1/4/8/9/10/12/16/20/25/30/36/42/49, 5+1/12+1 and sequential display modes and supports up to 36 channels in a single server. DIGIEVER NVR can be a multi-NVR server to connect other DIGIEVER NVR and select a maximum of 144 channels as well as simultaneously monitor other remote NVR sites without installing any extra VMS software.

Excellent Video Recording

- **Various Compression Formats**
- **Various Recording Modes**
- **ONVIF, Generic RTSP & MJPEG support**
- **Flexible Threshold for Recording Videos**
- **Multi-stream for Monitoring & Recording**

DIGIEVER NVR gives users high performance megapixel recording and supports MJPEG, MPEG-4 and H.264 formats. Users can configure different recording schedules such as always, schedule, event and audio recording for each camera in high megapixel recording. Users can also set recording percentage or days for keeping videos to overwrite the oldest video files automatically. Furthermore, DIGIEVER NVR supports multi-stream to let users set video format, frame rate, resolution and other features in different conditions to save bandwidth for monitoring and recording.

Intuitive Multi-channel Playback

- **User-friendly Video Search by Date, Time, Channel, Normal Record, Event and Recovered File**
- **Frame by Frame Playback**
- **Exporting Recording Files**
- **Taking a Snapshot**

DIGIEVER NVR lets users search the recorded video by selecting date, time, channel number, normal record, event and recovered file. Users can select a suitable channel from 1/4/9/16 display modes without wasting too much time to search desired images. Frame by frame playback and rewind features help users to minimize searching time.

Advanced and Reliable Security System

- **Stable and Secure Linux-embedded System**
- **Detailed Log Information**
- **User Privilege Management**
- **Flexible Permission and Prohibition of IP Range for Controlling the Access**

DIGIEVER NVR is a Linux-embedded operating system which is efficient to avoid virus attack and hacker intrusion. Compared with PC, Linux-embedded system offers more green and power saving. With over six clear logs system, users can do quick trouble shooting and security control of DIGIEVER NVR. As for privilege management, administrator can add multiple user groups like power user and user to configure live view and playback access. Besides, users can specify IP address or network segment to permit or prohibit specific IP address as white or black list from live view or playback access.

Superior Hardware Design

- **High Network Throughput for High Megapixel Recording**
- **Supports up to 4TB Storage Capacity per Hard Disk Drive**
- **Built-in Advanced RAID Configuration with Hot Swap Design**
- **Automatic Recovery from DIGIEVER NVR Power Outage**

DIGIEVER NVR is powered by Intel CPU/ RISC CPU for excellent megapixel recording and provides network throughput up to 360Mbps/ 150Mbps and supports each HDD up to 4TB. Users can configure JBOD, RAID 0, 1, 5, 10 in local display or web-based interface; hot swap design allows users to replace failed HDD without turning off the server. DIGIEVER NVR will also recover when power resumes after an outage and recover missing file. Also, DIGIEVER NVR supports built-in DI/DO of 4-in 2-out.

Note 1. Storage capacity per HDD supports up to 4TB in DS-8200-RM Pro Series, DS-4200-RM Pro Series, DS-4200 Pro Series, DS-2100 Pro Series, DS-1100 Pro Series and DS-2000 Series.
Note 2. RAID 10 is supported in DS-4200 Pro Series, DS-4200-RM Pro Series and DS-8200-RM Pro Series.

Ingenious USB BACKUP

- **Backup with Day, Hour and Channel Preset**
- **Efficient Hardware USB BACKUP Button**



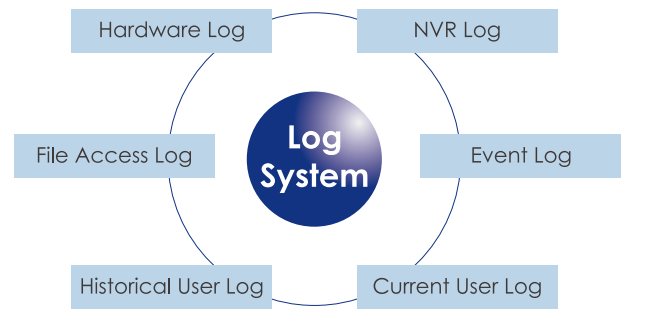
Note 1. * Hardware USB BACKUP button and software USB BACKUP virtual button are supported in DS-8200-RM Pro Series, DS-4200-RM Pro Series, DS-4200 Pro Series, DS-4000 Series, DS-2000 Series.
** Software USB BACKUP virtual button is supported in DS-2100 Pro Series and DS-1100 Pro Series.

Smart, Simple and Mobile Enhancement

- **Monitoring Everywhere via iOS and Android Mobile System**
- **Intelligent EZ Search of NVR**
- **Trouble Free Installation in 5 Steps**
- **Easy to Use by USB Mouse and Keyboard**



No matter where you are, you can monitor live view through iOS or Android mobile device and control PTZ camera. Besides, with EZ Search, users can quickly find NVR in the network and connect to web-based interface. In only 5 steps, users can finish Quick Configuration in local display or web-based interface. When users connect to local display, user can manage live view and configuration easily by a USB mouse and keyboard.

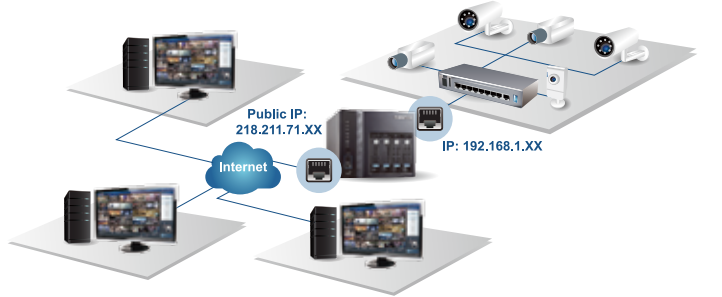


Complete log record for trouble shooting

Dual IP Application

- **High Security and Data Protection**
- **Flexible Network Environment Management**
- **Maximize Network Efficiency and Bandwidth Stability**

DIGIEVER NVR provides a flexible network configuration as proxy function to connect different network segments, even one in WAN, one in LAN. Dual IP application allows users to maximize network efficiency and bandwidth stability for various purposes such as daily operation and surveillance usage. Dual IP application largely increases the resistibility of unauthorized data theft and the unavailability of accessing to cameras.



Note 1. Dual IP Application is supported in DS-8200-RM Pro Series, DS-4200-RM Pro Series and DS-4200 Pro Series

DIGIARRAY DA-4000E

A Storage Expansion Box for DIGIEVER NVR series

- **High performance Hardware RAID with hot swappable design**
- **Up to 2 DIGIARRAY units and 8 HDDs in total can be connected to a single NVR.**
- **The storage capacity of the DA-4000E is up to 16TB**

DIGIARRAY is an external extension storage unit for DIGIEVER NVR series. It satisfies customers' request of higher storage need. One DIGIEVER NVR can connect up to 2 DIGIARRAY units that can easily expend up to 8 HDDs and up to 32TB for recording files. With more storage, users can have more flexibility to optimize camera resolution, frame rates, image quality and record for a longer period of time.

