DIGIEVER

DS-2100 Pro Series

Linux-embedded Standalone NVR

Full HD H/W DECODE

Linux

5 CH DS-2105 Pro

Video Recording	
CH No.	Up to 5ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 5+1, Full screen, sequential

9 CH DS-2109 Pro

Video Recording	
CH No.	Up to 9ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9,5+1, Full screen, sequential

12 CH DS-2112 Pro

Video Recording	
CH No.	Up to 12ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9,10,12, 5+1/12+1, full screen, sequential

16 CH DS-2116 Pro

Video Recording	
CH No.	Up to 16ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9,10,12,16, 5+1/12+1, full screen, sequential

20 CH DS-2120 Pro

Video Recording	
CH No.	Up to 20ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9, 10, 12, 16, 20, 5+1/12+1, full screen, sequential

25 CH DS-2125 Pro

Video Recording	
CH No.	Up to 25ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9, 10, 12, 16, 20, 25, 5+1/12+1, full screen, sequential

32 CH DS-2132 Pro

Video Recording	
CH No.	Up to 32ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9, 10, 12,16, 20, 25, 30, 5+1/ 12+1, full screen, sequential

36 CH DS-2136 Pro

Video Recording	
CH No.	Up to 36ch
Local Display Monitoring	
Modes	1, 3, 4, 5, 8, 9, 10, 12, 16, 20, 25, 30, 36, 5+1/12+1, full screen, sequential

Main Features

- Real-time Liveview Local Display
  - Mirror Display via HDMI/DVI-I
- Real-time Remote Browser Monitoring
  - Various Web Browsers on Windows OS
  - Liveview Display Modes: 1,3,4,5,8,9,10,12,16,20,25,30,36, 42,49,56,64,5+1/12+1,Full Screen and Sequential Mode
  - Built-in Mini-CMS server (up to 256CH)
  - Quick Navigation with Dynamic E-Map
  - Multi-window Operation
- Excellent Megapixel Real-time Video Recording
  - Up to 10 Megapixel Recording Resolution
  - Camera Group Recording: Assign Video Keeping Days for Each Camera
  - Support 60FPS Camera Recording and Monitoring
- Multi-channel Playback on Remote Browser
  - Maximum 16-channel playback simultaneously
  - Event Instant Playback on Liveview and E-Map
  - Remote Multi-NVR Playback
  - Smart Search
- S.M.A.R.T HDD Health Monitoring
- Multi-volume Storage Management with DIGIARRAY
- Up to 40TB Storage Capacity (Up to 8TB per HDD) (NVR: 16TB + DIGIARRAY Storage Expansion Units: 24TB)
- Diverse Backup Methods
  - Export Files from Remote and Local Playback
  - Instant Export while Playback on Remote
  - One Touch USB Backup
  - Remote Backup to NAS
  - Cloud Backup to Dropbox
  - Event Backup to External FTP: Video Clip & Snapshot
  - Export File with Free-Installation Video Player
- Powerful Event and Action Management
  - Detection of Device Connection Lost, External Events and Camera Motion/ IVA
  - Notification via Liveview Pop-out Window, Email, SMS, Buzzer and External Devices
- Advanced and Reliable Security System
  - Reliable Linux Security System
  - NVR Failover and System Monitoring
  - Integrated Access Control Server
  - Integrated Modbus Analog I/O-Digital I/O Box Server
  - Integrated IP Video Door Intercom Server
  - Detail log Information
  - Flexible User Privilege Management
- Monitoring everywhere via iOS and Android mobile device

Compatible Network Camera Brands and Partners

Technical Alliance

Technical Specifications

System

CPU	Intel Performance CPU
Operating System	Linux-embedded
HDD Tray	2 (Internal)
Maximum Capacity[1]	Up to 16TB (2.5"/3.5" SATA HDD x 2)
LAN Port[2]	Gigabit x 1
USB Connector	USB3.0 × 2 (Rear), USB2.0 × 4 (Front x 2, Rear x 2)
Video Output Connector	HDMI x1, DVI-I x1 (For Mirror Display)
Disk Management	Linear(JBOD), RAID0, RAID1
Operating Temperature	0～40℃
Operating Humidity	0~95% R.H.
Power Supply	External power adaptor, 120W Input :19VDC, 6.31A
Power consumption	42~55 W (with 2 x 1TB HDD installed and in RAID1 building process)
Certification	CE, FCC, BSMI, VCCI and C-TICK
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
User Interfaces	(1) Local display monitoring/playback/setting (2) Remote Web Browsers: Microsoft® Internet Explorer/ Firefox /Opera / Safari in Windows (32-bit) (3) Mobile App: Android and iOS
Supported Languages	Bulgarian, Croatian, Czech, Dansk, Deutsch, Dutch, English, Finnish, French, Indonesia, Italian, Japanese, Korean, Hungarian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Tradition Chinese, Simplified Chinese, Vietnamese

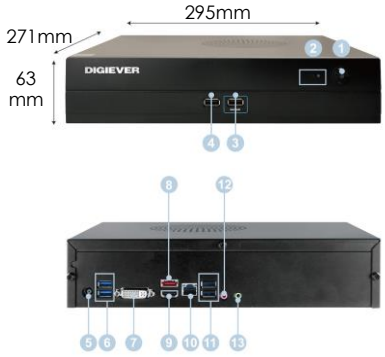
Liveview

H/W Decode Local Display Max. FPS in Single Page[4]	Full HD 200FPS/ HD 300FPS/ D1 750FPS (H.264)
Display Capability	Mirror display to display same liveview display mode on two monitors
Liveview Control	PTZ panel, PTZ Patrol, Auto Focus, Digital zoom in/out, Audio, Snapshot, Auto/Manual stream change, Event instant playback, Two way audio[6], Panomorph[7]
E-Map[3]	Multi-layer maps, Pop-out event window, Event instant playback
Mini-CMS Server Monitoring[3]	Up to 256 channels from multiple NVR sites
Liveview Optimization	Smart dual stream auto switch

Recording

Max. Network Throughput[5]	360Mbps
File format	AVI
Video Format	H.264、MPEG4、MJPEG、Axis Zipstream(H.264)
HDD Capacity Automatic Recycle	(1) Max. days of each camera (2) Total capacity percentage
Recording Modes	No recording, Event recording, Schedule recording, Always recording, Audio recording by event , Pre-event and Post-event recording

Appearance



1. Power button
2. LED indicators: HDD
3. USB 2.0 x 1
   (Support auto video backup)
4. USB 2.0 x 1
5. Power connector
6. USB 3.0 x 2
7. DVI-I
8. eSATA x 1
9. HDMI x 1
10. Gigabit LAN x 1
11. USB 2.0 x 2
12. Audio mic input (reserved)
13. Audio output (reserved)

Playback

Multi-channel Playback[6]	Maximum 16-channel simultaneously
Multi-NVR Playback	Remotely playback recording videos up to 16-channel from multiple DIGIEVER NVRs
Recording Types	Normal, Event, Video clip, Recovery, Time overlap, Failover (remote), USB device (local)
Search Modes	Date, time, channel and recording type
Smart Search	Motion detection, Foreign object detection, Missing object detection, Camera tampering detection, Lose focus
Playback Control	Rewind, Slow motion, Fast forward, Frame by Frame Playback, Panomorph[8], Snapshot
Backup Methods	Export Files from remote and local playback, One touch USB backup, Remote backup to NAS, Cloud backup, Instant export while playback videos on remote, Event backup to external FTP
Video Player	Installation-free NVRPlayer

Event & Action Management

Event Types	(1) Camera Events: Connection lost, Connection lost delay, Motion detection, Audio detection, Digital input (2) NVR Events: NVR connection lost, Recording error, UPS low power warning, Storage Threshold warning, Abnormal shutdown, External event (HTTP in) (3) NVR Hardware Events: CPU temperature warning, CPU fan warning, System fan warning, HDD error warning, HDD fail warning
Action Types	Alert sound, Event log history, Video pop-out window, Highlight video window, Event recording, E-Mail notification, Video clip/ snapshot via E-Mail, SMS, Buzzer alarm, Go to pre-set point, Camera digital output, SNMP trap, External IO box, Stack light, Network horn speaker, Backup to External FTP, User-defined action (HTTP out)

Security Management

User Privilege	Administrator, Power user and User
Advanced User Management	Random password sent by Email, Account expiration by assigning a specific date
System Log Information	Hardware log, System log, Event log, File access log, Current user log and Historical user log
NVR Failover	Monitor up to 4 NVRs in default (Option up to 16 NVRs)
Access Control Device Management	Manage up to 4 access control devices in default (Option up to 16 devices)
External Modbus Analog I/O-Digital I/O Box	Connect up to 4 Modbus A/IO-D/IO boxes in default (Option up to 16 boxes)
IP Range Access Control	White/Black List to permit or prohibit specific IP address
Timeout Setting	Set up auto timeout period
Advanced Security	Video Watermark and Password on exported video file

Network Service

Protocol	HTTP, HTTPS, TCP/IP, DHCP, DNS, DDNS, UPnP, FTP, NTP, SMTP, IPv6 (for NVR)
File Sharing	Windows networking, FTP service
Built-in Servers	Built-in DHCP/NTP Server

Remote Web Browser PC Requirements

OS (32 and 64-bit)	Windows Vista / 7 / 8
CPU	＜16CH:Intel Dual Core CPU 3.0GHz or above ≧16CH:Intel i5/i7 CPU 3.3GHz or above
Memory	＜16CH:DDR3 4G or above ≧16CH:DDR3 8G or above

* All designs and specifications are subject to change without prior notice.

Note1. The standard system is shipped without HDD.
Note2. User is advised to connect cameras and DIGIEVER NVR with gigabit switch
Note3. E-Map and Built-in Mini-CMS Server Monitoring is not supported on local display.
Note4. The max. resolution on liveview and playback of local display supports up to Full HD. Remote web browser's max. resolution is the same as recording.
Note5. Maximum network throughput is varied in different environment.
Note6. Multi-channel playback on remote web browsers is supported up to 16 channels and multi-channel playback on local display is supported up to 4 channels.
Note7. Camera is needed to support two-way audio and integrated with DIGIEVER NVR. On local site, it is necessary to prepare a USB type external audio sound adapter for connecting speaker/microphone to NVR.
Note8. DIGIEVER NVR supports dewarping display image of ACTi, AXIS, VIVOTEK, ImmerVision Panomorph and fisheye cameras.

Authorized Dealer: