DIGIEVER

DS-4200 Pro+ Series

Linux-embedded Standalone NVR

4K UHD H/W DECODE

Linux

intel inside

5 CH DS-4205 Pro+	
Video Recording	
CH No.	Up to 5ch

9 CH DS-4209 Pro+	
Video Recording	
CH No.	Up to 9ch

12 CH DS-4212 Pro+	
Video Recording	
CH No.	Up to 12ch

16 CH DS-4216 Pro+	
Video Recording	
CH No.	Up to 16ch

20 CH DS-4220 Pro+	
Video Recording	
CH No.	Up to 20ch

25 CH DS-4225 Pro+	
Video Recording	
CH No.	Up to 25ch

32 CH DS-4232 Pro+	
Video Recording	
CH No.	Up to 32ch

36 CH DS-4236 Pro+	
Video Recording	
CH No.	Up to 36ch

42 CH DS-4242 Pro+	
Video Recording	
CH No.	Up to 42ch

49 CH DS-4249 Pro+	
Video Recording	
CH No.	Up to 49ch

56 CH DS-4256 Pro+	
Video Recording	
CH No.	Up to 56ch

64 CH DS-4264 Pro+	
Video Recording	
CH No.	Up to 64ch

Main Features

- Impressive Hardware Decode 4K Ultra HD Performance
- Real-time Liveview Local Display
  - Marvelous PC-less Solution: Dual Display or Mirror Display
  - Dewarp up to 5 MP Panomorph IP Cameras
  - 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
- 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
- Monitoring everywhere via iOS and Android Mobile Device
- Multi-volume Storage Management with DIGIARRAY
- Up to 80TB Storage Capacity (Up to 8TB per HDD) (NVR:32TB + DIGIARRAY Storage Expansion Units: 48TB)
- S.M.A.R.T HDD Health Monitoring
- 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
- 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

Compatible Network Camera Brands and Partners

Technical Alliance

Technical Specifications

System

CPU	Intel High Performance CPU
Operating System	Linux-embedded
HDD Tray	4 (Swappable)
Maximum Capacity[1]	Up to 32TB (2.5"/3.5" SATA HDD x 4)
LAN Port[2]	Gigabit x 2
USB Connector	USB2.0 × 6 (Front x 2, Rear x 4)
GPIO	4-in, 2-out
Video Output Connector	HDMI x1, VGA x1 (For Dual Display)
Disk Management	Linear(JBOD), RAID0, RAID1, RAID5, RAID10
Operating Temperature	0～40℃
Operating Humidity	0~95% R.H.
Security Design	K-Lock security slot for theft prevention
Power Supply	Input: 100-240V AC, 50/ 60Hz, Output: 250W
Power consumption	54~65 W (with 4 x 500GB HDD installed and in RAID 5 building process)
Certification	CE, FCC, BSMI, VCCI and C-TICK
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(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 Max Resolution per Channel	Resolution up to 8MP (4K UHD) per channel (H.264)
H/W Decode Local Display Max. FPS in Single Page	4MP 200FPS/ Full HD 480FPS/ HD 720FPS/ D1 1000FPS (H.264)
Display Capability	Dual display to display different liveview display modes on two monitors, 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

Recording Modes	No recording, Event recording, Schedule recording, Always recording, Audio recording by event , Pre-event and Post-event Recording
HDD Capacity Automatic Recycle	(1) Max. days of each camera (2) Total capacity percentage
File format	AVI
Video Format	H.264、MPEG4、MJPEG、Axis Zipstream(H.264)
Max. Network Throughput[4]	400Mbps

Appearance

1. LED indicators: LAN, eSATA, HDD1, HDD2, HDD3, HDD4
2. Power button
3. USB BACKUP button (For auto video backup)
4. USB 2.0 x 1 (Support auto video backup)
5. USB 2.0 x 1
6. HDD1
7. HDD2
8. HDD3
9. HDD4
10. Gigabit LAN x 2
11. USB 2.0 x 4
12. eSATA x 2
13. VGA output
14. HDMI output
15. DI/DO (4 in 2 out)
16. Reset button
17. Power connector
18. K-lock security slot

Playback

Multi-channel Playback[5]	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[7], 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 with multi-channel playback

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), Built-in digital input (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, External IO box, Stack light, Network horn speaker, User-defined action (HTTP out), SNMP trap, Backup to External FTP and Built-in digital output

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 DH CP/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. Maximum network throughput is varied in different environment.
Note5. 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.
Note6. 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.
Note7. DIGIEVER NVR supports dewarping display image of ACTi, AXIS, VIVOTEK, Immervision Panomorph and fisheye cameras.

Authorized Dealer: