



Technical Specifications

System	
CPU	Intel High Speed CPU
Operating System	Linux-embedded
HDD Tray	16 (Swappable)
Maximum Capacity ¹	Up to 256TB (2.5"/3.5" SATA HDD x 16)
LAN Port ²	Gigabit x 2
USB Connector	USB2.0 x 1 (Front), USB2.0 x 4 (Rear)
GPIO	4-in, 2-out
Video Output Connector	HDMI x1, VGA x1 (For two-screen display)
Disk Management	Linear(JBOD), RAID 0/1/5/6/10
Operating Temperature	0~40°C
Operating Humidity	0~95% R.H.
Power Supply	Input: 100-240V AC, 50/ 60Hz, Output: 600W
Max. Storage Volume	Up to 16 volume (Global Hot Spare)
Power consumption	178 W (with 16 x 500GB HDD installed and in RAID 5 building process)
Certification	CE, FCC, BSMI, VCCI
H/W Dimensions	133.4(H) x 430(W) x 551.5(D) mm 5.25(H) x 16.92(W) x 21.71(D) inch
User Interfaces	(1) Local display monitoring/playback/setting (2) Remote Client with login shortcut (3) Mobile App: Android and iOS
Supported Languages	Bulgarian, Croatian, Czech, Dansk, Deutsch, Dutch, English, Finnish, French, Indonesia, Italian, Japanese, Korean, Hebrew, 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 360FPS/ Full HD 900FPS/ HD 1200FPS/ D1 1600FPS (H.264)
Two-screen Display	<u>Mirror display</u> to monitor the same cameras at two sites, <u>Dual display</u> to monitor more cameras on two monitors, <u>Target display</u> to focus on key areas during video playback, <u>eMap display</u> to monitor cameras with a detailed map information
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, Double-click to pop-out video window, Pop-out event window, Event instant playback
Mini-CMS Server Monitoring ³	Up to 256 channels from multiple NVR sites
Liveview Optimization	User-defined dual stream auto switch

Recording	
Max. Network Throughput ⁴	450Mbps
Video Format ⁸	H.265, H.264, MPEG4, MJPEG, MxPEG, Axis Zipstream(H.264)
File format	AVI
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



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|--|-----------|------------------------|
| 1. LED indicators: LAN1, LAN2, eSATA, HDD1 ~ HDD16 | 10. HDD6 | 21. Gigabit LAN x 2 |
| 2. Power button | 11. HDD7 | 22. USB 2.0 x 4 |
| 3. USB BACKUP button (For auto video backup) | 12. HDD8 | 23. eSATA x 2 |
| 4. USB 2.0 x 1 (Support auto video backup) | 13. HDD9 | 24. VGA output |
| 5. HDD1 | 14. HDD10 | 25. HDMI output |
| 6. HDD2 | 15. HDD11 | 26. DI/DO (4 in 2 out) |
| 7. HDD3 | 16. HDD12 | 27. Reset button |
| 8. HDD4 | 17. HDD13 | 28. Power connector |
| 9. HDD5 | 18. HDD14 | 29. Power switch |
| | 19. HDD15 | |
| | 20. HDD16 | |

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, ROI, Customized watermark,, Bookmark, Data search
Backup Methods	Export Files on remote and local playback, One touch USB backup (FAT32 & NTFS), Become NVR backup server, Local backup to DIGIARRAY and USB device, Remote backup to NAS, NVR edge 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) <u>Camera Events</u> : Connection lost, Connection lost delay, Motion detection, Audio detection, Cross-line detection, Temperature detection, People counting threshold alarm, Digital input, etc. (2) <u>NVR Events</u> : NVR connection lost, UPS low power warning, Storage Threshold warning, Abnormal shutdown, External event (HTTP in), built-in digital input (3) <u>Storage Event</u> : RAID Degraded/ Rebuilding / Failed (4) <u>NVR Hardware Events</u> : CPU temperature warning, CPU fan warning, System fan warning, HDD error warning, HDD fail warning, Redundant power supply failure(Optional)
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, User-defined action (HTTP out), Backup to External FTP, Built-in digital output
Chain Event	Precise alarms when multi-events triggered within user-defined time

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, 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, TCP/IP, DHCP, DNS, DDNS, UPnP, FTP, NTP, SMTP, IPv6 (for NVR)
Two LAN Port Applications	Share IP, Separated IP and Load balance
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 7 / 8/ 10
CPU	≥ 16Ch: Intel i5/i7 CPU 3.3GHz or above
Memory	≥ 16Ch: DDR3 8G or above

- 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 5 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.
Note8. DIGIEVER NVR supports H.264, MPEG4, MJPEG, MxPEG format for local display.

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