

DS-16300-RM Pro+ Series

Linux-embedded Standalone NVR











DS-16316-RM Pro+

Video Recording	
CH No.	Up to 16ch



DS-16332-RM Pro+

Video Recording	
CH No.	Up to 32ch



DS-16349-RM Pro+

Video Recording	
CH No.	Up to 49ch



DS-16320-RM Pro+

Video Recording	
CH No.	Up to 20ch



DS-16336-RM Pro+

Video Recording	
CH No.	Up to 36ch
CH No.	Up to 36ch



DS-16356-RM Pro+

Video Recording	
CH No.	Up to 56ch



DS-16325-RM Pro+

Video Recording	
CH No.	Up to 25ch



DS-16342-RM Pro+

Video Recording	
CH No.	Up to 42ch



64 DS-16364-RM Pro+

Video Recording	
CH No.	Up to 64ch

Main Features

- Impressive Hardware Decode 4K Ultra HD Performance
 - 64 Channels Real-time Hardware Decode Local Display
 - 64 Channels Real-time Remote Web Monitoring
 - 64 Channels Real-time Recording
- Real-time Liveview Local Display
 - Dual Display via HDMI/VGA
 - Liveview Display Modes: 1,4,9,10,12,16,20,25,30,36,42, 49,56,64,5+1, Full Screen and Sequential Mode
- Real-time Remote Browser Monitoring
 - Up to 64CH of Single Server
 - Liveview Display Modes: 1,4,8,9,10,12,16,20,25,30,36,42, 49,56,64, 5+1/12+1, Full Screen and Sequential Mode
 - Built-in Mini-CMS server (up to 144CH)
 - Various Web Browsers in Windows OS
 - Quick Navigation with Dynamic E-Map
 - Multi-window Operation
- Excellent Megapixel Real-time Video Recording
 - Up to 10 Megapixel Recording Resolution
 - Support 60FPS Camera Recording and Monitoring on Local Display and Remote Browser
- Multi-volume Storage Management with DIGIARRAY
- Up to 144TB Storage Capacity (Up to 6TB per HDD) (NVR:96TB + DIGIARRAY Storage Expansion Units: 48TB)

- Multi-channel Playback on Remote Browser
 - Maximum 16-channel Playback Simultaneously
 - Event Instant Playback on Liveview and E-Map
 - Smart Search
- 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
- Detailed Complete 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
- Export File with Free-Installation Video Player
- Monitoring everywhere via iOS and Android Mobile Device



Compatible Network Camera Brands and Partners



Technical Specifications

System	
Operating System	Linux-embedded
CPU	Intel Dual Core High Speed CPU
HDD Tray	16 (Swappable)
Maximum Capacity	Up to 144TB (2.5"/3.5" SATA HDD x 16)
	(NVR:96TB + DIGIARRAY: 48TB)
LAN Port ²	Gigabit x 2
USB Connector	USB2.0 × 1(Front), USB2.0 × 4 (Rear)
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°C
Operating Humidity	0~95% R.H.
Power Supply	Input: 100-240V AC, 50/ 60Hz, Output: 600W
Power consumption	178 W (with 16 x 500GB HDD installed and in
	RAID 5 building process)
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
	(2) Remote Web Browsers:
	Microsoft® Internet Explorer/ Chrome
	/Firefox /Opera / Safari in Windows (32-bit)
	(3) Mobile App: Android and iOS
Supported Languages	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

	Chinese, Vietnamese
Liveview	
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 to144 channels from multiple NVR sites
Liveview Optimization	Smart dual stream auto switch
H/W Decode Max	Resolution up to 8MP (4K UHD) per channel
Resolution per Channel	(H.264)
H/W Decode Local Display	4MP 360FPS/ Full HD 900FPS/ HD 1200FPS/
Max. FPS in Single Page	D1 1600FPS (H.264)

Recording	
Recording Modes	No recording, Event recording, Schedule
	recording, Always recording, Audio recording
	by event , Pre-event and Post-event recording
HDD Capacity Automatic	(1) Max. days
Recycle	(2) Total capacity percentage
File format	AVI
Video Format	H.264 · MPEG4 · MJPEG
Max. Network Throughput ⁴	450Mbps

NVR I/O, LED and Button

- Front I/O, LED and Button :
 - ✓ LED indicators: LAN, eSATA, HDD1 ~ HDD16
 - ✓ Power Button
 - ✓ USB Backup button (For auto video backup)
- ✓ USB 2.0 x 1
- Rear I/O, LED and Button
 - ✓ Gigabit LAN x 2
 - ✓ eSATA x 2
 - ✓ VGA output
 - ✓ HDMI output
 - ✓ DI/DO (4 in 2 out)
 - ✓ Reset button
 - ✓ Power connector

Playback	
Multi-channel Playback ⁵	Maximum 16-channel simultaneously
Recording Types	Normal, Event, Video clip, Recovery and
	Time overlap
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
Video Player	Installation-free NVRPlayer with
	multi-channel playback

Event & Action Management	
Event Types	Camera connection lost, NVR connection lost, Motion detection, Camera digital input, NVR recording error, built-in digital input and External event (HTTP in), Recording error
Action Types	Alert sound, Event log notification, Video pop-out window, Highlight video window, Event recording, E-mail notification, Video clip/ snapshot via E-mail, User defined action (HTTP out), Buzzer alarm, SMS, Go to PTZ preset point, Built-in digital output, External I/O box, Camera digital output

Security Management	
User Privilege	Administrator, Power user and User
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)
IP Range Access	White/Black List to permit or prohibit
Control	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
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 i5/i7 CPU 3.3GHz or above	
Memory	≥16 CH: 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: