

DS-2100 Pro+ Series

Linux-embedded Standalone NVR



Video Recordina

Video Recording

Video Recording

CH No. Up to 42ch

CH No. Up to 20ch

CH No. Up to 5ch



DS-2120 Pro+

5 DS-2105 Pro+



Video Recording
CH No. Up to 9ch

25 DS-2125 Pro+

CH No. Up to 25ch

S-2149 Pro+

Video Recording
CH No. Up to 49ch

I2 DS-2112 Pro+

Video Recording
CH No. Up to 12ch

Video Recording

Margary DS-2132 Pro+

CH No. Up to 32ch

DS-2156 Pro+

Video Recording
CH No. Up to 56ch

US-2116 Pro+

intel

inside

Video Recording
CH No. Up to 16ch

36 DS-2136 Pro+

Video Recording
CH No. Up to 36ch

DS-2164 Pro+

Video Recording
CH No. Up to 64ch

Main Features

DS-2142 Pro+

- 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 Instant Playback
 - 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 Monitoring
 - Built-in Mini-CMS Server (up to 256-channel)
 - Quick Navigation with Dynamic E-Map
 - Liveview Instant Playback
 - Multi-window Operation
 - Region of Interest (ROI): Monitor 5 or 7 Regional Images from One High-resolution Camera
- Excellent Megapixel Real-time Video Recording
 - Up to 10 Megapixel Recording Resolution
 - Camera Group Recording:
 - Assign Video Keeping Days for Each Camera
- Multi-channel Playback on Remote Client
- Maximum 16-channel Playback Simultaneously
- Event Instant Playback on Liveview and E-Map
- Remote Multi-NVR Playback
- Time-divided Search: Quickly Find the Key Frame to Export Related Video and Snapshot
- Smart Search
- Multi-volume Storage Management with DIGIARRAY
- S.M.A.R.T HDD Health Monitoring

- Up to 56TB Storage Capacity (Up to 8TB per HDD) (NVR:16TB + DIGIARRAY Storage Expansion Units: 40TB)
- 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
 - NVR Failover and System Monitoring
 - Built-in NVR Relay Server
 - Integrated Access Control Server
 - Integrated Modbus Analog I/O-Digital I/O Box Server
 - Integrated IP Video Door Intercom Server
- Manage and Configure DIGIEVER PoE Switches on NVR
- Detail Log Information
- Flexible User Privilege Management
- Diverse Backup Methods
 - Export Files from Remote and Local Playback
 - Instant Export while Playback on Remote
 - USB Backup
 - Become NVR Backup Server
 - Local Backup to DIGIARRAY
 - Remote Backup to NAS
 - NVR Edge Backup
- Event Backup to External FTP: Video Clip & Snapshot
- Export File with Free-Installation Video Player
- Monitor Everywhere via iOS and Android Mobile Device



Compatible Network Camera Brands and Partners

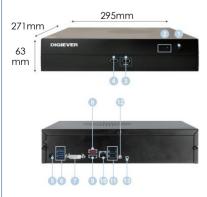
Technical Specifications System CPU Intel High Performance CPU Linux-embedded **Operating System HDD Tray** 2 (Internal) Up to 16TB (2.5"/3.5" SATA HDD x 2) Maximum Capacity¹ Gigabit x 1 LAN Port² **USB** Connector USB3.0 \times 2 (Rear), USB2.0 \times 4 (Front x 2, Rear x 2) Video Output Connector HDMI x1, DVI-I x1 (For Dual Display) **Disk Management** Linear(JBOD), RAID0, RAID1 **Operating Temperature** 0~40°C 0~95% R.H. **Operating Humidity** External power adaptor, 120W **Power Supply** Input:19VDC, 6.31A 42~55 W **Power consumption** (with 2 x 1TB HDD installed and in RAID1 building process) CE, FCC, BSMI, VCCI and C-TICK Certification 63.2(H) x 295(W) x 271(D) mm **H/W Dimensions** 2.49(H) x 11.61(W) x 10.67(D) inch (1) Local display monitoring/playback/setting Operation (2) Remote Client **User Interfaces** (3) Mobile App: Android and iOS Bulgarian, Croatian, Czech, Dansk, Deutsch, Dutch, English, Finnish, French, Indonesia, Italian, Japanese, Korean, Hungarian, **Supported Languages** Norwegian, Polish, Portuguese, Russian,

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Liveview	
H/W Decode Max	Resolution up to 8MP (4K UHD) per channel
Resolution per Channel	(H.264)
H/W Decode Local Display	4MP 200FPS/ Full HD 480FPS/ HD 720FPS/
Max. FPS in Single Page	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, Instant playback, ROI, 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

Spanish, Swedish, Thai, Turkish, Tradition Chinese, Simplified Chinese, Vietnamese

Recording	
Max. Network Throughput ⁴	400Mbps
Video Format	H.264, MPEG4, MJPEG, MxPEG,
	Axis Zipstream(H.264)
File format	AVI
HDD Capacity Automatic	(1) Max. days of each camera
Recycle	(2) Total capacity percentage
Recording Modes	No recording, Event recording, Schedule
	recording, Always recording, Audio recording
	by event, Pre-event and Post-event recording,
	Manual 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-l
- 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 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 ³	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
Backup Methods	Export Files on remote and local playback, USB backup, Become NVR backup server, Local backup to DIGIARRAY, 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

	moni-charino 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) (3) Storage Event: RAID Degraded/ Rebuilding/ Failed (4) 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 and User-defined action (HTTP out)
Chain Event	Multiple events to trigger one action

Security Management	
User Privilege	Administrator, Power user and User
Advanced User	Random password sent by Email, Account
Management	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	Manage up to 4 access control devices in
Management	default (Option up to 16 devices)
External Modbus Analog	Connect up to 4 Modbus A/IO-D/IO boxes
I/O-Digital I/O Box	in default (Option up to 16 boxes)
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, 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	< 16 CH: Intel Dual Core CPU 3.0GHz or above ≥ 16 CH: 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.
- Note 1. The standard system is shipped without HDD.
- Note2. User is advised to connect cameras and DIGIEVER NVR with gigabit switch Note3. E-Map, Built-in Mini-CMS Server Monitoring and Smart Search are 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/ corridor mode 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.
- 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.