

# **DS-2100 Pro Series**

Linux-embedded Standalone NVR









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

## 5 DS-2105 Pro 2 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	

# **II** 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 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 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 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 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 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
  - Support 60FPS Camera Recording and Monitoring on Local Display and Remote Browser
- 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
- Multi-volume Storage Management with DIGIARRAY
- Up to 36TB Storage Capacity (Up to 6TB per HDD) (NVR: 12TB + 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
  - Detail log Information
  - Flexible User Privilege Management
- Monitoring everywhere via iOS and Android mobile device



Compatible Network Camera Brands and Partners













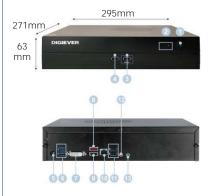
#### **Technical Specifications**

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System	
CPU	Intel Performance CPU
Operating System	Linux-embedded
HDD Tray	2 (Internal)
Maximum Capacity <sup>1</sup>	Up to 12TB (2.5"/3.5" SATA HDD x 2)
LAN Port <sup>2</sup>	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°C
Operating Humidity	0~95% R.H.
Power Supply	External power adaptor, 120W
rower supply	Input :19VDC, 6.31A
	42~55 W
Power consumption	(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
n/ w Dimensions	2.49(H) x 11.61(W) x 10.67(D) inch
	(1) Local display monitoring/playback/setting
	(2) Remote Web Browsers:
User Interfaces	Microsoft® Internet Explorer/ Firefox
	/Opera / Safari in Windows (32-bit)
	(3) Mobile App: Android and iOS
	Bulgarian, Croatian, Czech, Dansk, Deutsch,
Supported Languages	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	Full HD 200FPS/ HD 300FPS/ D1 750FPS (H.264)
Max. FPS in Single Page <sup>4</sup>	
Display Capability	Mirror display to display same liveview display
Display Capability	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 <sup>6</sup> , Panomorph <sup>7</sup>
E-Map <sup>3</sup>	Multi-layer maps, Pop-out event window,
	Event instant playback
Mini-CMS Server Monitoring <sup>3</sup>	Up to 256 channels from multiple NVR sites
Liveview Optimization	Smart dual stream auto switch
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Recording	
	No recording, Event recording, Schedule
Recording Modes	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 · Axis Zipstream(H.264)
Max. Network Throughput⁵	360Mbps

#### **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 (reserved)
- 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 <sup>6</sup>	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 <sup>8</sup> , 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, Backup to External FTP and User-defined action (HTTP out)	

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
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	

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

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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:**