

# DS-2100 Pro Series

Linux-embedded Standalone NVR



**5 CH DS-2105 Pro**

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

**9 CH DS-2109 Pro**

Video Recording	
CH No.	Up to 9ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 5+1, full screen, sequential

**12 CH DS-2112 Pro**

Video Recording	
CH No.	Up to 12ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 10, 12, 5+1/12+1, full screen, sequential

**16 CH DS-2116 Pro**

Video Recording	
CH No.	Up to 16ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 10, 12, 16, 5+1/12+1, full screen, sequential

**20 CH DS-2120 Pro**

Video Recording	
CH No.	Up to 20ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 10, 12, 16, 20, 5+1/12+1, full screen, sequential

**25 CH DS-2125 Pro**

Video Recording	
CH No.	Up to 25ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 10, 12, 16, 20, 25, 5+1/12+1, full screen, sequential

**32 CH DS-2132 Pro**

Video Recording	
CH No.	Up to 32ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 10, 12, 16, 20, 25, 5+1/12+1, full screen, sequential

**36 CH DS-2136 Pro**

Video Recording	
CH No.	Up to 36ch
Local Display Monitoring	
Modes	1, 4, 8, 9, 10, 12, 16, 20, 25, 5+1/12+1, full screen, sequential

## Main Features

- Real-time Liveview Local Display
  - Dual Display via HDMI/DVI
- Real-time Remote Browser Monitoring
  - Up to 36CH of single server
  - Liveview Display Modes: 1,4,8,9,10,12,16,20,25,30,36, 46, 49, 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
- Up to 12TB Storage Capacity (6TB per HDD)
- 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
  - 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
  - Detailed Complete log Information
  - Flexible User Privilege Management
- Diverse Backup Methods
  - Export Files from Remote and Local Playback
  - 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

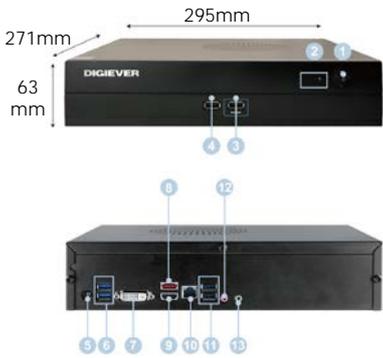


# Technical Specifications

System	
Operating System	Linux-embedded
HDD Tray	2 (Internal)
Maximum Capacity	Up to 12TB (2.5"/3.5" SATA HDD x 2)
LAN Port <sup>2</sup>	Gigabit x 1
USB Connector	USB3.0 x 2 (Rear), USB2.0 x 4 (Front x 2, Rear x 2)
Video Output Connector	HDMI x1, DVI-I x1 (For Dual Display)
Disk Management	Single, JBOD, RAID0, RAID1
Operating Temperature	0~40°C
Operating Humidity	0~95% R.H.
Power Supply	External power adaptor, 120W Input :19VDC, 6.31A
Power consumption	42~55 W (with 2 x 1TB HDD installed and in RAID1 building process)
H/W Dimensions	63.2(H) x 295(W) x 271(D) mm 2.49(H) x 11.61(W) x 10.67(D) inch
User Interfaces	(1) Remote Web Browsers: Microsoft® Internet Explorer/ Chrome /Firefox /Opera / Safari in Windows (32-bit) (2) Local display monitoring (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

Liveview	
Liveview Control	PTZ panel, PTZ Patrol, Auto Focus, Digital zoom in/out, Audio, Snapshot, Auto/Manual stream change, Panomorph <sup>7</sup>
E-Map <sup>3</sup>	Multi-layer Maps, Pop-out Event Window
Mini-CMS Server Monitoring <sup>3</sup>	Up to 144 channels from multiple NVR sites
Liveview Optimization	Smart dual stream auto switch
H/W Decode Local Display Max. FPS in Single Page <sup>4</sup>	Full HD 200FPS/ HD 300FPS/ D1 750FPS (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 Recycle	(1) Max. days (2) Total capacity percentage
File format	AVI
Video Format	H.264 · MPEG4 · MJPEG
Max. Network Throughput <sup>5</sup>	360Mbps

Appearance	
 <p>271mm 295mm 63 mm</p>	<ol style="list-style-type: none"> <li>1. Power button</li> <li>2. LED indicators: HDD</li> <li>3. USB 2.0 x 1 (Support auto video backup)</li> <li>4. USB 2.0 x 1</li> <li>5. Power connector</li> <li>6. USB 3.0 x 2</li> <li>7. DVI-I</li> <li>8. eSATA x 1 (reserved)</li> <li>9. HDMI x 1</li> <li>10. Gigabit LAN x 1</li> <li>11. USB 2.0 x 2</li> <li>12. Audio mic input</li> <li>13. Audio output</li> </ol>

Playback	
Multi-channel Playback <sup>6</sup>	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 <sup>7</sup> , Snapshot
Backup Methods	Export Files from Remote and Local Playback, One Touch USB Backup, Remote backup to NAS, Cloud backup
Video Player	Installation-free NVRPlayer

Event & Action Management	
Event Types	Camera connection lost, NVR connection lost, Motion detection, Camera digital input and External event (HTTP in)
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, Buzzer alarm, SMS, Go to PTZ preset point, External I/O box

Security Management	
User Privilege	Administrator, Power user and User
System Log Information	Hardware log, NVR log, Event log, File access log, Current user log and Historical user log
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
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 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. 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. DIGIEVER NVR supports ACTI, AXIS, VIVOTEK, Immersion Panomorph and fisheye cameras.

## Authorized Dealer :

