DIGIEVER

Linux-embedded IP Video Surveillance Solutions

Empower Your Vision

4K UHD H/W DECODE

64CH REAL-TIME

NETWORK THROUGHPUT 650 Mbps

intel inside™

DIGIEVER NVR Total Solutions

DIGIEVER NVR
All-in-one Standalone
Linux-embedded 4K Hardware Decode
Network Video Recorder

DIGIEVER CMS
Large-scale
Central Management
Software

DIGIEVER Mobile NVR
Linux-embedded
Wide-range Temperature
4K Hardware Decode Mobile NVR

Video Wall Decoder
Linux-embedded
4K Hardware Decode Video Decoder

DIGIARRAY
Hardware RAID Designed
Storage Expansion Box for DIGIEVER NVR

DIGIMobile V2
Monitoring Everywhere via
iOS & Android Mobile System

www.digiever.com

Company Overview

DIGIEVER is a leading company dedicated to providing high quality and outstanding performance of IP video surveillance solutions. DIGIEVER takes DIGIEVER NVR, Linux-embedded network video recorder, as the core and develops relative video surveillance product lines, including central management software DIGIEVER CMS, DIGIEVER Video Wall Decoder, external storage expansion box DIGIARRAY and DIGIMobileV2 to satisfy increasing video surveillance requirements in the world. DIGIEVER's comprehensive NVR products have been successfully distributed through worldwide channel partners that cross five continentals.

Formed with a group of experts who have rich experience in research and development in networking products, DIGIEVER, focuses on providing leading-edge surveillance solutions not only in software applications, also in hardware design and devoting to optimize users' experience. DIGIEVER is one of the members in Intel Brand Advantage Program and Intel IoT (Internet of Things) Alliance. DIGIEVER also has profound relationship with various global partners all over the world such as AXIS, ImmerVision, Seagate and Western Digital.

Linux-embedded IP Video Surveillance Solutions

- Linux-embedded Standalone DIGIEVER NVR Server
- Central Management System DIGIEVER CMS
- Linux-embedded Wide-range Temperature Mobile NVR
- Linux-embedded Hardware Decode Video Wall Decoder
- Storage Expansion Box DIGIARRAY
- Mobile Surveillance App DIGIMobile V2

Compatible Network Camera Brands and Partners

AXIS COMMUNICATIONS | ACTi Connecting Vision | Afidus | AIPHONE | Air Live | AirLink 101 | A-MTK | APPRO | Arecont Vision
AVTECH | AVIGILON | BASLER | belkin | BlueEyes | BOSCH | Brickcom | BUFFALO | Canon
certis | centrix | CP PLUS | CNB | D-Link | alhua TECHNOLOGY | DIVIO | DYNACOLOR | ELMO
ETROVISION | EverFocus | Genie | GEN SECURITY | GeoVision | GIGAMEDIA | GRUNDIG | HDPRO | HIKVISION
hiQview | HUNT | HUVIRON | iCanTek | IDIS | iMege | Infinova | intelbras | JVC
KAANSKY | level one | LG | LILIN | Linear | LINKSYS | MESSOA | MOBOTIX | micae
NEXCOM | optimus | Panasonic | PiXORD | PLANET | PROBE | PROMELIT | PROVISION ISR | QUATRE-PLAN
QIHAN | RUVL | SAMSUNG | SANYO | SECUBEST | SecuRex | SHANY | SONY | SpezVision
SPRO | STAR-NET | LINELL | Surveon | TAKEX | TANTOS | TESCOM | TITANUS | TOPICA
TOA | TriClouds | TVT | UDP | ViDig | viseo | VIVOTEK | YOKO | XeronVision
| | | YUZOR | ZAVIO | ZNV | 3S

Compatible UPS Brands
APC | CyberPower | OMRON | VEO

Compatible Access Control Brands
HID | HUNDURE

Technical Alliance
AXIS ADP Program | intel inside | | ONVIF | Seagate | WD | asustor

Table of Contents

All-in-one Standalone NVR Solutions

Real-time Local Display

- 4K UHD hardware decode performance
- Up to 64CH realtime local display
- Dual display to monitor different liveview screens on two monitors

Monitor 1   **Monitor 2**

HDMI   VGA / DVI-I   HDMI/ VGA/ DVI-I

Dual IP Application

- Maximize network efficiency and bandwidth stability
- Flexible network environment managemen

Public IP:
218.211.71.XX
Internet
IP:192.168.1.XX
LAN 1
LAN 2

Storage Expansion Box

- Multi-volume storage management
- Hardware RAID with HDD Hot-swap design
- Expand up to 24TB with 4HDDs per DIGIARRAY

eSATA   DIGIARRAY   DIGIARRAY

Remote Browser Monitoring

Dynamic E-map   Remote Liveview   Remote Playback

All-in-one Standalone NVR Solutions

- Built-in NVR server
- Built-in Mini-CMS server
- Built-in failover server
- Built-in NVR relay server
- Integrated access control server
- Integrated Modbus A/IO-D/IO box server
- Integrated IP Video Door Intercom Server
- Built-in DHCP server
- Built-in NTP server
- Built-in SNMP client

DIGIEVER

Uninterruptible Power Supply
UPS
24/7 service

iPhone   Android

Intranet
Internet

Video Wall Decoder

- 4K UHD hardware decode performance
- Up to 64CH realtime local display
- Dual display to monitor different liveview screens on two monitors

Monitor 1   **Monitor 2**

Video Wall Decoder

HDMI/ DVI-I   HDMI   DVI-I

NVR Failover Server

- Check NVR and HDD status every minute
- Monitor up to 4 NVR recording servers in default (Option up to 16 NVRs)
- Failover: Take over failed NVR for monitor and recording
- Failback: NVR restores its original video recording and monitoring function

Failover

Failback

NVR Failover server

Mini-CMS Server Monitoring

- Up to 256 channels
- Simultaneously monitor other remote NVR sites

Office 1   DS-2100 Pro+ NVR   Office 2   DS-4200 Pro+ NVR

Integrated IP Video Door Intercom Server

- Centrally control multiple sites of door stations
- Always recording: Record the video captured from door station
- Event recording: Record when someone press call button

CMS / Video Wall

- Up to 1024 channels via CMS-Client
- Up to 64 channels per monitor via CMS-Matrix
- 5 levels of user privilege management to set up security for users in a variety of ways

CMS-Matrix

CMS-Client

Integrated Modbus A/IO-D/IO Box Server

Analog Input   **Digital Input**

Temperature   Voltage   Humidity   Audio level

Smoke detector   Fire alarm   Door

Analog Output   **Digital Output**

Fan speed control   Brightness control   Light   Alarm   Door/Gateway

Integrated Access Control Server

- Control up to 4 access control devices in default (Option up to 16 devices)
- Centrally manage card information
- Quick data filter and export access log from card reader

Card	Name
00112	Mike
00139	Patty
00643	Mary
00649	John

LOG

SNMP Client

- Intelligentl NVR check system
- Notify users of NVR situation: Recording error, UPS low power, hardware events ,etc

SNMP Server   SNMP Trap

Remote Backup

- Backup important surveillance videos to NAS
- Detail backup history list for security control

NAS

DIGIEVER NVR

All-in-one Standalone Linux-embedded
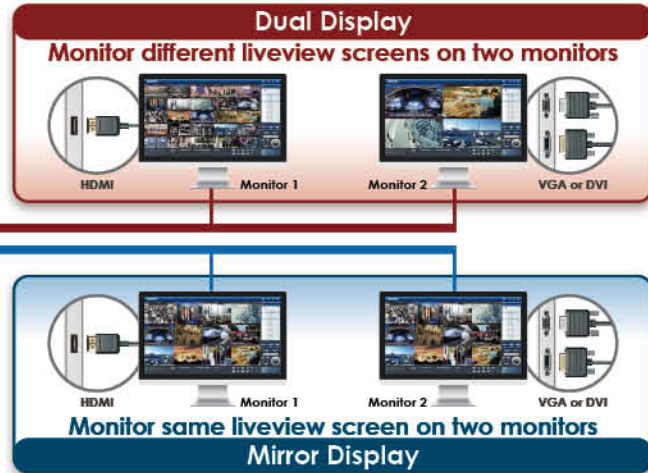## 4K Hardware Decode Network Video Recorder

Real-time Liveview Local Display

- 4K UHD hardware decoding performance
- Support 4K UHD (8 megapixel) IP cameras
- Display up to 64CH real-time video per page
- Marvelous PC-less solution: Dual display or Mirror display
- Smart dual stream auto switch

- Support ImmerVision panamorph dewarp
- Dewarp up to 5MP Panomorph IP cameras
- Support 60FPS IP cameras recording and monitoring
- Two-way audio via USB type sound adapter
- Support camera corridor mode*

4K UHD H/W DECODE

64CH REAL-TIME

NVR Server

Dual Display
Monitor different liveview screens on two monitors

HDMI — Monitor 1 — Monitor 2 — VGA or DVI

HDMI — Monitor 1 — Monitor 2 — VGA or DVI

Monitor same liveview screen on two monitors
Mirror Display

*Note: Camera is needed to support two-way audio and integrated with DIGIEVER NVR.

Real-time Remote Browser Monitoring

- Support up to 10 megapixel IP cameras
- Support 60FPS IP cameras recording and monitoring
- Remote monitor via web browsers in Window OS:
  Internet Explorer(IE), Firefox, Opera, Safari
- Support ImmerVision panamorph dewarp

- Mini-CMS server monitoring: Connect up to 256 channels
- Multi-layer dynamic E-map
  (Pop-out event window, event log history, event instant playback)
- Smart dual stream auto switch
- Multi-window operation

NVR Server A

NVR Server B

(intel) inside™

NVR Server C

NVR Server D

DIGIEVER NVR

All-in-one Standalone Linux-embedded
4K Hardware Decode Network Video Recorder

Intuitive Multi-channel Playback

- Maximum 16-channel simultaneous playback*
- Multi-NVR playback*
- Time-divided search
- Smart search to quickly find key video*

- Playback speed control to shorten video tracking time
- Export file with playlist and portable NVRPlayer
- Digital watermark check via NVRCheck

Multi-NVR Playback

Remotely playback up to 16-channel of recorded videos from multiple DIGIEVER NVRs to easily track the path of moving objects in different locations.
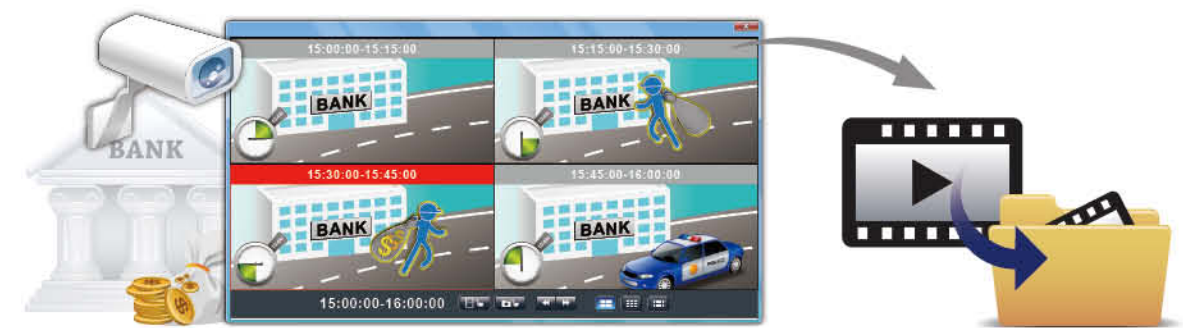
NVR Server A   NVR Server B   NVR Server C

11F NVR Server A   8F NVR Server B   1F NVR Server C

EXIT

Multi-NVR Playback

Smart Search

Without setup in advance, you can quickly find out key videos at the specific moment in five detection modes.

Motion Detection | Foreign Object Detection | Missing Object Detection | Camera Tampering Detection | Lose Focus

Time-divided Search

Based on display mode (2x2, 3x3, 3x4), DIGIEVER NVR will divide a video into many snapshots and display the first frame of that period of time on each channel to save your time to find key video or snapshot.

15:00:00-15:15:00   15:15:00-15:30:00
BANK   BANK

15:30:00-15:45:00   15:45:00-16:00:00
BANK   BANK

15:00:00-16:00:00

*Note1: DIGIEVER NVR supports up to 16 channels playback on remote browser monitoring and 4 channels on local display.
*Note2: Multi-NVR playback and smart search is supported on remote browser monitoring.
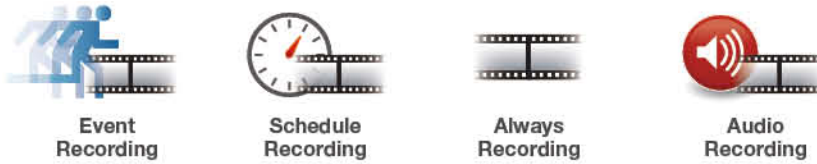
DIGIEVER NVR

All-in-one Standalone Linux-embedded
4K Hardware Decode Network Video Recorder

Excellent Video Recording

- Up to 10 Megapixel recording resolution
- Support ONVIF, generic RTSP & MJPEG to connect IP cameras
- Various recording modes: Event & schedule, always recording, audio recording while event triggered
- Smart threshold & auto recycle storage management
- Camera group recording: Assign video keeping days for each camera by categorizing cameras in groups
- Dual-stream recording: Record in high resolution or in lower resolution
- Flexible video formats: Play in NVRPlayer or in general player

Various Recording Modes

- Event Recording
- Schedule Recording
- Always Recording
- Audio Recording

Diverse Video Compression Format

- H.264
- MPEG-4
- MJPEG
- MxPEG

Comprehensive Compatible Capability

- Native integration
- ONVIF
- Generic RTSP
- Generic MJPEG

Camera Group Recording

Group1 (keep in 7 days)

Group2 (keep in 14 days)

Group3 (keep in 30 days)

Powerful Event and Action Management

- Up to 18 event types and 19 action types
- Three main event types for instant event notification
- The most powerful event notification mechanism in the world

Events

Camera Events
- Camera Connection Lost
- Camera Connection Lost Delay
- Camera Motion Detection
- Camera Audio Detection
- Camera Digital Input

NVR Events
- NVR Connection Lost
- Recording Error
- UPS Low Power Warning
- Storage Threshold Warning
- NVR Recovery from Power Outage
- External Event (HTTP in)
- Built-in Digital Input

NVR Hardware Events
- CPU Temperature Warning
- CPU Fan Warning
- System Fan Warning
- HDD Error Warning
- HDD Fail Warning
- Redundant Power Supply Failure

Actions

- Alert Sound
- Event Log History
- Video Pop-out Window
- Highlight Video Window
- Event Recording
- E-Mail Notification
- Video Clip via E-Mail
- Snapshot via E-mail
- SMS
- Buzzer Alarm
- Network Horn Speaker
- Go to Preset Point
- Camera Digital Output
- SNMP Trap
- stack light
- External IO Box
- User Defined Action
- Backup to External FTP Server
- Built-in Digital Output

DIGIEVER NVR
All-in-one Standalone Linux-embedded
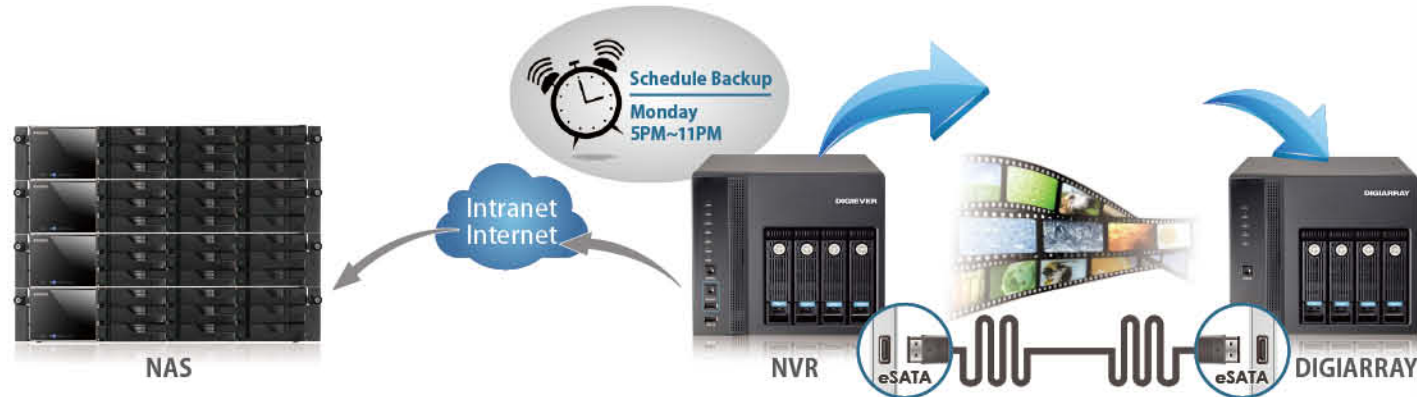4K Hardware Decode Network Video Recorder

DIGIEVER NVR
All-in-one Standalone Linux-embedded
4K Hardware Decode Network Video Recorder

Diverse Backup Methods

- Export files with password on playback page
- Instant export while playback videos
- One touch USB backup
- Local Backup to DIGIARRAY
- Remote backup to NAS
- Event Backup to External FTP: Video clip & snapshot
- Windows Networking and FTP service

Export files with password

Instant Export

USB Backup

Local Backup to DIGIARRAY

Remote Backup

Event Backup to External FTP

Windows Networking & FTP

Schedule Backup
Monday
5PM~11PM

Intranet Internet

NAS

NVR

eSATA

eSATA

DIGIARRAY

*Note: DIGIEVER NVR supports ASUSTOR NAS in LAN for now.

Superior Hardware Design

- Intel high speed quad core CPU
- High network throughput for high megapixel recording
- Up to 8TB storage capacity per hard disk drive
- Built-in advanced RAID configuration with hot swap design
- S.M.A.R.T HDD Health Monitoring
- Built-in DI/DO of 4-in 2-out
- Automatic recovery from power outage
- Integrated with UPS device for effective UPS management
- Storage extension via eSATA port
- Password protection for power button shutdown
 (admin/ power user)

UPS Device Supported for Power Outage

Smart Shutdown & Startup

Low Power Warning

UPS Battery Information

Advanced and Reliable Security System

- Stable and secure Linux-embedded system
- NVR failover and system monitoring
- Integrated with access control device*
- Integrated with A/IO-D/IO box*
- Built-in NVR relay server

- Integrated with IP video door intercom system*
- Detail log information
- User privilege management
- Flexible permission and prohibition of IP range

Complete Log Record for Trouble Shooting

Hardware Log

System Log

File Access Log

Log System

Event Log

Historical User Log

Current User Log

NVR Failover and System Monitoring

3 Failback

Monitor 1

NVR Failover Server
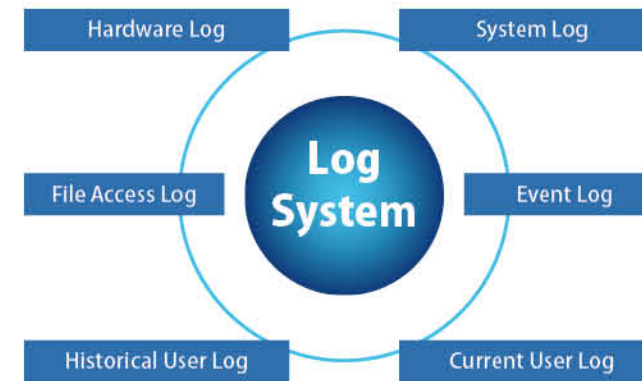
2 Failover
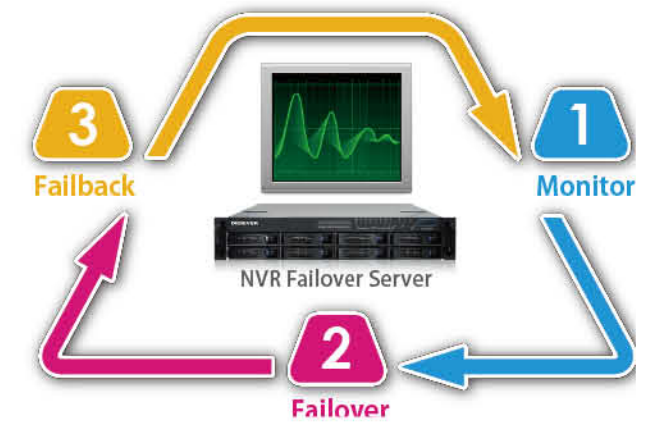
* Note1: DIGIEVER NVR supports HID (V2000) and HUNDURE (RAC-960 and RAC-970) access control device for now.
*Note2: DIGIEVER NVR supports Advantech (ADAM-6024) Modbus A/IO-D/IO box for now.
*Note3: DIGIEVER NVR supports Aiphone IX series for now.

Smart and Simple Operation

- The same user interface on local and remote
- Support 25+ language versions
- Trouble free installation in 5 Steps

- Multi-window operation
- Intelligent EZ Search of NVR
- Easy to use by USB mouse and keyboard
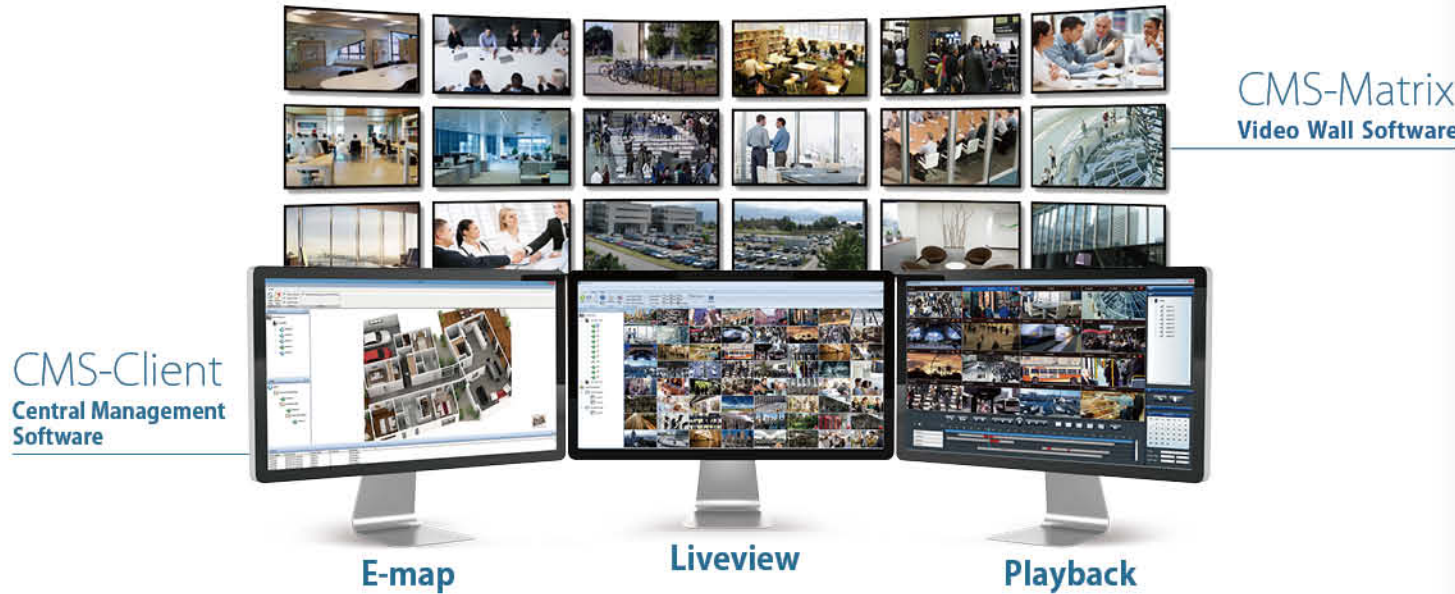
The Same User Interface on Local and Remote

Local Liveview

Local Playback

Remote Liveview

Remote Playback

Multi-window Operation

DIGIEVER CMS
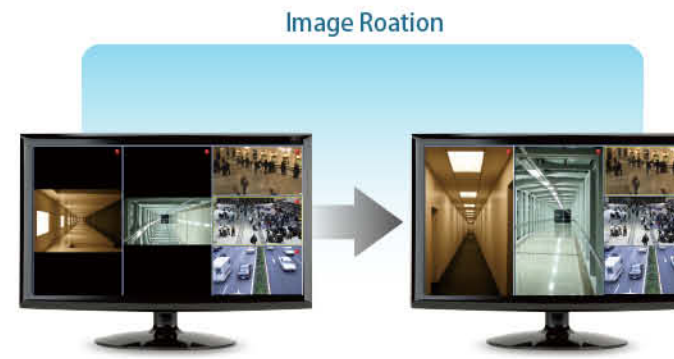## Large-scale Central Management Software

DIGIEVER Central Management System (DIGIEVER CMS) is a central management system to centrally manage different sites of DIGIEVER NVRs. Composed of two intelligent video software, CMS-Client and CMS-Matrix, DIGIEVER CMS can manage large-scale surveillance efficiently and effectively.

CMS-Matrix
Video Wall Software

CMS-Client
Central Management Software

E-map   Liveview   Playback

CMS-Client (Central Management Software)

- Manage up to 1024 channels via NVR
- Monitor up to 64 channels per page
- Multi-task monitoring on multi-monitor
  - Multi-layer dynamic E-map
  - Multi-channel playback and smart search
  - Multi-NVR GPS monitoring via Google Maps API
  - Manage and configure video wall

CMS-Matrix (Video Wall Software)

- Ideal for control room monitoring
- User-defined display mode
- Flexible monitor scalability based on the number of display cards
- Dual stream auto switch to save bandwidth
- Restore point: save current monitor/layout settings

Liveview					E-map		Playback		System		Video Wall	
1024 CH Management	64 CH Liveview	User-defined Display Mode	Image Rotate	Stream optimization	PTZ Control	Multi-layer Maps	User-defined Icons	Multi-channel Playback	Thumbnail Preview	Quick Installation	User Privilege Management	Monitor Scalability	Setting Preview
Sequential Mode	Camera Group Playback	Highlight Video Window	Event Log History	Instant Playback	Multi-window Operation	E-map Thumbnail Links	Video Pop-out Window	Smart Search	Instant Export	Auto Device Detection	Save/ Load Configuration	Highlight Video Window	Restore Point

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Intuitive Liveview Monitoring

- Manage up to 1024 channels via NVR
- Monitor up to 64 channels per page
- User-defined display mode
- Camera image rotation for corridor mode

- Camera group management for sequential monitoring
- Camera group playback
- Smart stream optimization to save bandwidth
- Instant playback on event panel

Image Roation

Camera Group Playback

Multi-layer Dynamic E-map

- Multi-layer map tree
- User-defined icons
- Camera icon status notification

- Video pop-out windows (up to 10 windows at a time)
- E-map thumbnail links to access to related maps

E-map Thumbnail Links

Airport   Mall
Gas station
Restaurant
Train Station
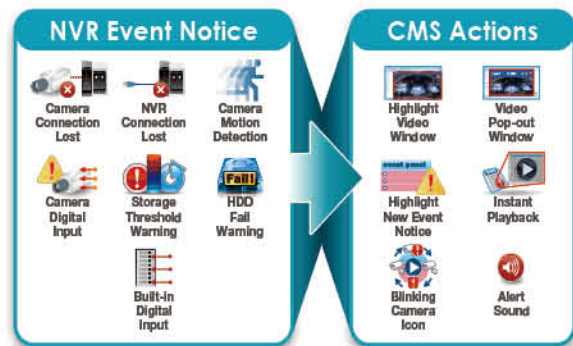Parking Lot
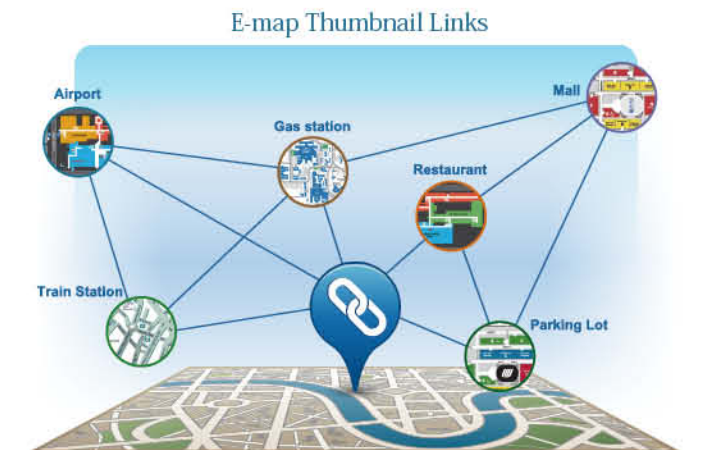
DIGIEVER CMS
Large-scale Central Management Software

Multi-channel Playback

- 16-channel simultaneous playback
- Multi-NVR playback
- Time-divided search to shorten video search time
- Smart search to quickly find key video
- Thumbnail preview on time table
- Instant export while playback videos
- Export file with portable NVRPlayer
- Digital watermark check via NVRCheck

Flexible System Configuration

- Quick installation wizard
- Auto NVR detection
- Flexible license upgrade
- Powerful event and action management:
  Up to 7 NVR event types and 6 action types
- Save/ load configuration to speed up surveillance deployment

- Multi-NVR GPS monitoring via Google Maps API
- User privilege management: 5 levels (administrator, power user, user, operator and guest) with user-defined authority
- Detail log information for security control and trouble shooting
- Support 10+ language versions

Multi-NVR GPS monitoring via Google Maps API

Build Video Wall with CMS-Matrix

- Multi-monitor liveview monitoring
- User-defined display mode
- Assign different layouts to diverse monitors
- Support sequential mode
- Preview video wall setting on CMS-Client for remote configuration
- Flexible monitor scalability based on the numbers of display card
- Restore point: save monitor and layout settings
- Support ImmerVision panamorph dewarp

Panamorph Dewarp

- Quad
- Perimeter
- PTZ

Mobile NVR MN-2100 Pro+ and MN-1100 Pro+ Series
The World's First Linux-embedded Wide-range Temperature 4K Hardware Decode Mobile NVR

Excellent Display Performance

- Up to 36 channels real-time local display
- Support 4K UHD (8M) IP cameras
- Up to 300Mbps network throughput
- Dual display via HDMI/VGA connector
  to monitor different liveview screens on two monitors
  (no extra PC for video monitoring)
- Support 60FPS and ImmerVision Panomorph cameras

Superb Hardware Design

- Wide-range temperature (-20 ~ 70° / -4 ~ 158° F)
  for tough environments
- Up to 2TB storage capacity per HDD
- Built-in 4 LAN ports with optional PoE power module
- Support optional Wi-Fi/3G/4G and GPS/G-sensor

High Integration Ability

- Support Third Party VMS Integration
  via DIGIEVER SDK

In-vehicle Surveillance Solution

Optional Packages

Video Wall Decoder VD Series
The World's First Linux-embedded
4K Hardware Decode Video Decoder

Superb 4K UHD Hardware Decode Local Display
- Support 8M(4K UHD) IP camera
- Up to 64-CH real-time liveview performance
- Marvelous PC-less solution: Dual/Mirror display
- Support 60FPS and ImmerVision panomorph dewarp

Multi-channel Playback
- 4-channel simultaneous playback from DIGIEVER NVRs
- Playback speed control to shorten video tracking time

User-friendly Design
- Quick configuration in 4 steps
- Save/Load configuration file via USB dongle and PC
- Smart group adding: Quickly add NVR or camera
- Convenient remote controller (Optional)

Comprehensive Compatible Ability
- Support over 100 brands and more than 4200 IP cameras
- Support ONVIF Profile / Generic RTSP&MJPEG

4K UHD H/W DECODE **intel inside™**

HDMI / DVI-I

Mirror / Dual Display via HDMI/DVI-I Output

Various Applications

Cost-efficiency Secondary Control Room Solution	Build Video Wall via Multiple Decoders	Local Liveview and Playback Solution with Diverse DIGIEVER NVRs	Easy to Add Cameras Directly

Main Control Room

Intranet/Internet

Secondary Control Room

Camera 9-16 Camera 1-8 Camera 17-36

Internet

DS-2000 DS-2000

DS-4000

Internet

DIGIARRAY DA-4000E
A Storage Expansion Box for DIGIEVER NVR

Robust Scalability up to 24 TB
- Up to 6TB storage capacity per hard disk drive

Multi-volume Storage Management
- No impact on NVR performance when extending storage size
- Flexible RAID rebuilding type in NVR and DIGIARRAY

Easy Expansion via eSATA Interface
- Fast and efficient video transmission
- Quickly connect to DIGIEVER NVR

Easy Deployment with Plug-and-Play Design
- Hot swap design in case of failure
- Storage portable design to move all HDDS to another DIGIARRAY

Rock-solid Hardware RAID
- Safe, reliable and high speed
- Various hardware RAID types: JBOD(Linear), RAID 0,1,5,10
- Quick RAID Setting

DIGIARRAY

JBOD eSATA eSATA RAID 10

DA-4000E up to 24TB DA-4000E up to 24TB

RAID 5

DIGIEVER NVR up to 128TB

Robust scalability up to 24 TB
One DIGIARRAY can expand up to 24TB storage capacity with 4 hard disk trays.
Each hard disk tray supports up to 6TB capacity. In addition, one DIGIAVER NVR
can be connected up to 2 DIGIARRAY units and 8 HDDs in total.

Multi-volume RAID1·RAID5·RAID10	Hardware RAID	JBOD RAID 0,1,5,10	6 TB	Hot Swap	eSATA

DIGIMobile V2
Monitoring Everywhere via iOS & Android Mobile System

Liveview
- View videos from multiple phones at the same time
- Real-time Liveview monitoring
- Compression format: H.264
- Display mode: 1/4/6 and sequential mode
- Support PTZ control, pinch to zoom and audio

Playback
- Quick playback methods:
  Event playback and continuous playback
- Playback speed control: Fast forward and slow motion
- Frame by frame playback and rewind
- Support pinch to zoom and audio
- Time bar control

Others
- Quickly add NVR in LAN via EZ Search
- Directly control NVR liveview on local display
- Quick event sorting method
- Instant event notification
- Quick monitoring from favorites

Event Log   Remote   Favorites
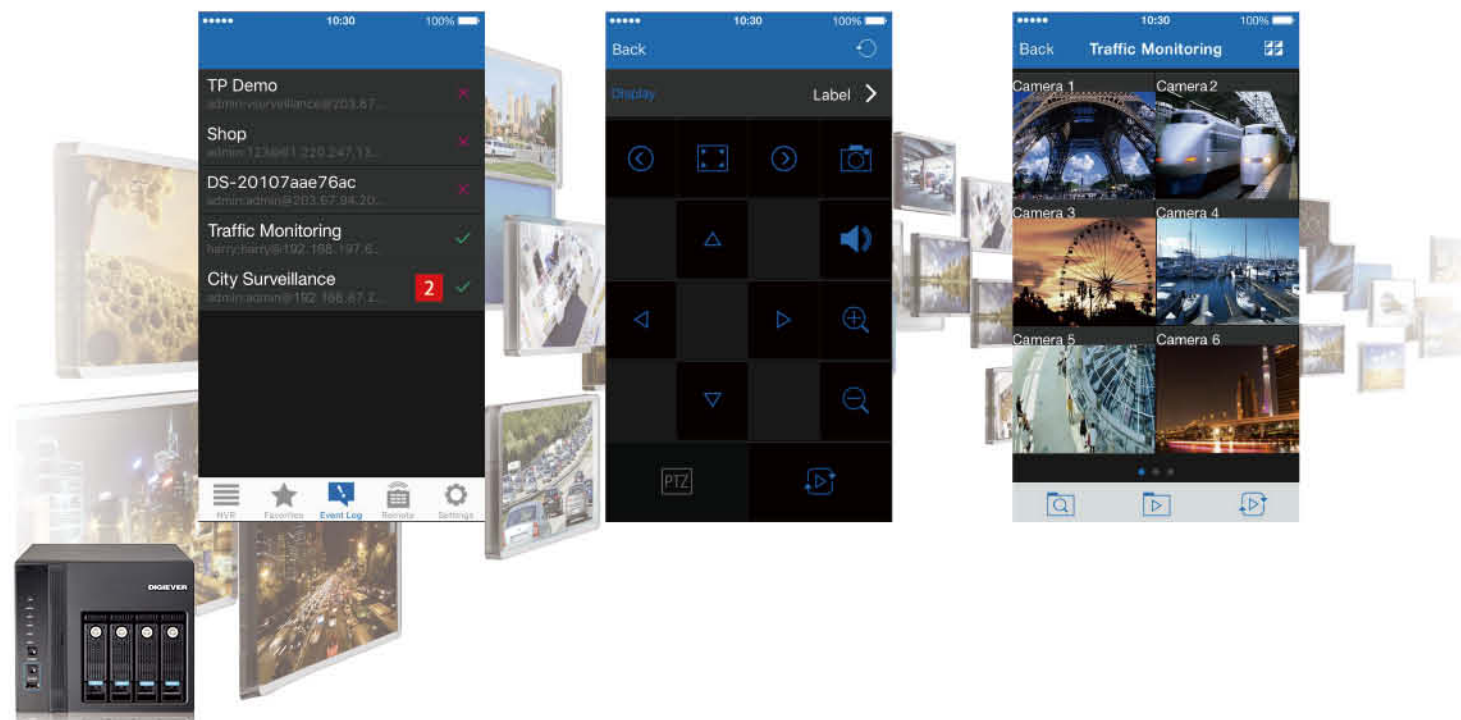
DIGIEVER NVR Pro+ Series

DIGIEVER NVR	DS-16500-RM Pro+ series	DS-16400-RM Pro+ series	DS-8400-RM Pro+ series
Model Name	DS-16564/56/49/42-RM Pro+	DS-16464/56/49/42-RM Pro+	DS-8464/8456/8449/8442-RM Pro+
CPU	Intel Quad Core Extreme Speed CPU	Intel Quad Core High Speed CPU	Intel Quad Core High Speed CPU
Supported Channel	Up to 64/56/49/42	Up to 64/56/49/42	Up to 64/56/49/42
Operation System	Linux-embedded		
Maximum Network Throughput	650Mbps	550Mbps	550Mbps
Support Local Display	Yes (HDMI/ VGA)		
Max Resolution Support on Local Display	Up to 8 Megapixel (4K UHD)/channel		
Max. Channel Supported on Local Display	Up to 64 channels/ page		
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)		
Built-in mini-CMS Server Monitoring[2]	Yes (Up to 256 channels)		
Storage Capacity per HDD	Up to 8TB (2.5"/3.5" HDD)		
Storage Expansion Units (DIGIARRAY)	2 Units		
HDD Tray	24 (NVR:16 + DIGIARRAY Storage Expansion: 8)		16 (NVR:8 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity[3]	Up to 176TB (NVR:128TB + DIGIARRAY Storage Expansion: 48TB)		Up to 112TB (NVR:64TB + DIGIARRAY Storage Expansion: 48TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10		
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out		
Network Port[4]	Gigabit x 2		
USB Backup	Yes		
USB Connector	Front:USB2.0x1(For USB Backup) / Rear: USB2.0x4		Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4
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		88.1(H) x 481(W) x 661.65(D) mm 3.46(H) x 18.9(W) x 26(D) inch

DIGIEVER NVR	DS-16300-RM Pro+ series	DS-8300-RM Pro+ series	DS-4300-RM Pro+ series	DS-4300 Pro+ series
Model Name	DS-16364/16356/16349/16342/16336/ 16332/16325/16320/16316-RM Pro+	DS-8364/8356/8349/8342-RM Pro+	DS-4364/4356/4349/4342/ 4336/4332-RM Pro+	DS-4364/4356/4349/4342/ 4336/4332 Pro+
CPU	Intel High Speed CPU			
Supported Channel	Up to 64/56/49/42/36/32/25/20/16	Up to 64/56/49/42	Up to 64/56/49/42/36/32	Up to 64/56/49/42/36/32
Operation System	Linux-embedded			
Maximum Network Throughput	450Mbps			
Support Local Display	Yes (HDMI/ VGA)			
Max Resolution Support on Local Display	Up to 8 Megapixel (4K UHD)/channel			
Max. Channel Supported on Local Display	Up to 64 channels/ page			
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:900FPS/ HD:1200FPS/ D1:1600FPS (H.264)			
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)			
Built-in mini-CMS Server Monitoring[2]	Yes (Up to 256 channels)			
Storage Capacity per HDD	Up to 8TB (2.5"/3.5" HDD)			
Storage Expansion Units (DIGIARRAY)	2 Units			
HDD Tray	24 (NVR:16 + DIGIARRAY Storage Expansion: 8)	16 (NVR:8 + DIGIARRAY Storage Expansion: 8)	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)	
Maximum Capacity[3]	Up to 176TB (NVR:128TB + DIGIARRAY Storage Expansion: 48TB)	Up to 112TB (NVR:64TB + DIGIARRAY Storage Expansion: 48TB)	Up to 80TB (NVR:32TB + DIGIARRAY Storage Expansion: 48TB)	
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10		Linear(JBOD), RAID 0/1/5/10	
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out			
Network Port[4]	Gigabit x 2			
USB Backup	Yes			
USB Connector	Front:USB2.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4	Front:USB2.0x2(One for USB Backup)/Rear: USB2.0x4
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	88.1(H) x 481(W) x 661.65(D) mm 3.46(H) x 18.9(W) x 26(D) inch	44.1(H) x 481(W) x 661.65(D) mm 1.73(H) x 18.9(W) x 26(D) inch	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch

Note 1. H/W decode local display max. FPS in single page is based on camera's compression format H.264.
Note 2. Built-in mini-CMS server monitoring is not supported on local display interface.
Note 3. The standard system is shipped without HDD.
Note 4. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.

DIGIEVER NVR Pro+ Series

DIGIEVER NVR	DS-8200-RM Pro+ series	DS-4200-RM Pro+ series
Model Name	DS-8264/8256/8249/8242/8236/8232/8225/ 8220/8216/8212/8209-RM Pro+	DS-4264/4256/4249/4242/4236/4232/4225/ 4220/4216/4212/4209-RM Pro+
CPU	Intel High Performance CPU	
Supported Channel	Up to 64/56/49/42/36/32/25/20/16/12/9	Up to 64/56/49/42/36/32/25/20/16/12/9
Operation System	Linux-embedded	
Maximum Network Throughput	400Mbps	
Support Local Display	Yes (HDMI/ VGA)	
Max Resolution Support on Local Display	Up to 8 Megapixel(4K UHD)/ channel	
Max. Channel Supported on Local Display	Up to 64 channels/ page	
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)	
Built-in mini-CMS Server Monitoring[2]	Yes (Up to 256 channels)	
Storage Capacity per HDD	Up to 8TB (2.5"/3.5" HDD)	
Storage Expansion Units (DIGIARRAY)	2 Units	
HDD Tray	16 (NVR:8 + DIGIARRAY Storage Expansion: 8)	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity[3]	Up to 112 TB (NVR:64TB + DIGIARRAY Storage Expansion: 48TB)	Up to 80TB (NVR:32TB + DIGIARRAY Storage Expansion: 48TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/6/10	Linear(JBOD), RAID 0/1/5/10
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out	
Network Port[4]	Gigabit x 2	
USB Backup	Yes	
USB Connector	Front:USB3.0x1(For USB Backup) / Rear: USB2.0x4	
H/W Dimensions	88.1(H) x 481(W) x 661.65(D) mm 3.46(H) x 18.9(W) x 26(D) inch	44.1(H) x 481(W) x 661.65(D) mm 1.73(H) x 18.9(W) x 26(D) inch

DIGIEVER NVR	DS-4200 Pro+ series	DS-2100 Pro+ series	DS-1100 Pro+ series
Model Name	DS-4264/4256/4249/4242/4236/4232/4225/ 4220/4216/4212/4209/4205 Pro+	DS-2164/2156/2149/2142/2136/2132/2125/ 2120/2116/2112/2109/2105 Pro+	DS-1164/1156/1149/1142/1136/1132/1125/ 1120/1116/1112/1109/1105 Pro+
CPU	Intel High Performance CPU		
Supported Channel	Up to 64/56/49/42/36/32/25/20/16/12/9/5	Up to 64/56/49/42/36/32/25/20/16/12/9/5	Up to 64/56/49/42/36/32/25/20/16/12/9/5
Operation System	Linux-embedded		
Maximum Network Throughput	400Mbps		
Support Local Display	Yes (HDMI/ VGA)	Yes (HDMI/ DVI-I)	
Max Resolution Support on Local Display	Up to 8 Megapixel (4K UHD)/ channel		
Max. Channel Supported on Local Display	Up to 64 channels/ page		
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)		
Built-in mini-CMS Server Monitoring[2]	Yes (Up to 256 channels)		
Storage Capacity per HDD	Up to 6TB (2.5"/3.5" HDD)		
Storage Expansion Units (DIGIARRAY)	2 Units	1 Unit	
HDD Tray	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)	6 (NVR:2 + DIGIARRAY Storage Expansion: 4)	5 (NVR:1 + DIGIARRAY Storage Expansion: 4)
Maximum Capacity[3]	Up to 80TB (NVR:32TB + DIGIARRAY Storage Expansion: 48TB)	Up to 40TB (NVR:16TB + DIGIARRAY Storage Expansion: 24TB)	Up to 32TB (NVR:8TB + DIGIARRAY Storage Expansion: 24TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/10	Linear(JBOD), RAID 0/1	Single
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out	-	
Network Port[4]	Gigabit x 2	Gigabit x 1	
USB Backup	Yes		
USB Connector	Front:USB2.0x2(One for USB Backup)/Rear: USB2.0x4	Front:USB2.0x2 (One for USB Backup) / Rear: 3.0x2 and USB2.0x2	
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch	63.2(H) x 295(W) x 271(D) mm 2.49(H) x 11.61(W) x 10.67(D) inch	58.5(H) x 237(W) x 192(D) mm 2.3(H) x 9.33(W) x 7.56(D) inch

DIGIEVER NVR Lite Series
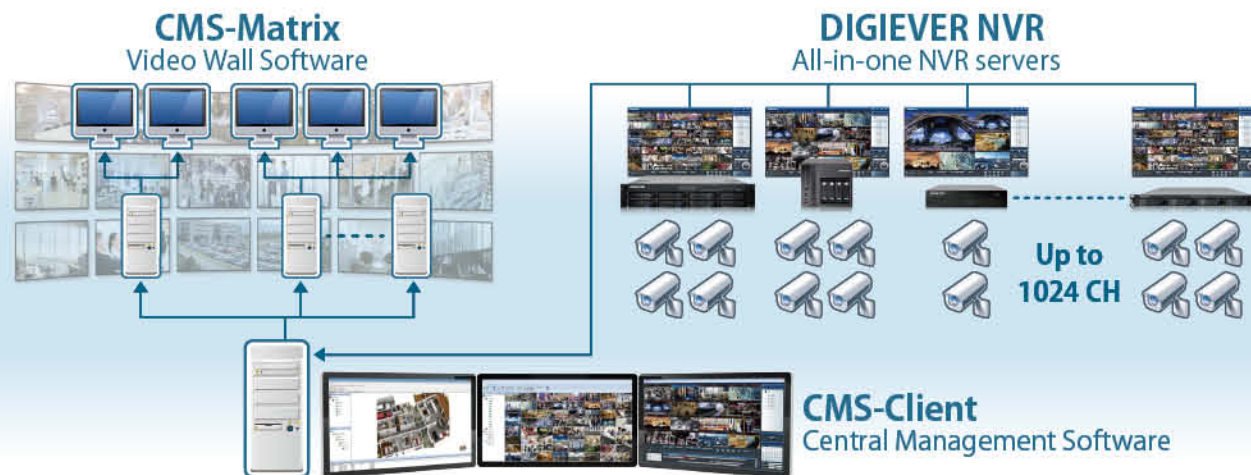
DIGIEVER NVR	DS-4000 series	DS-2000 series
Model Name	DS-4016/4012/4009/4005	DS-2016/2012/2009/2005
CPU	RISC	RISC
Supported Channel	Up to 16/12/9/5	Up to 16/12/9/5
Operation System	Linux-embedded	
Maximum Network Throughput	150Mbps	
Support Local Display	-	
Max Resolution Support on Local Display	-	
Max. Channel Supported on Local Display	-	
H/W Decode Local Display Max. FPS in Single Page[1]	-	
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)	
Built-in mini-CMS Server Monitoring[2]	Yes (Up to 256 channels)	
Storage Capacity per HDD	Up to 3TB (2.5"/3.5" HDD)	Up to 5TB (2.5"/3.5" HDD)
Storage Expansion Units (DIGIARRAY)	2 Units	
HDD Tray	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)	10 (NVR:2 + DIGIARRAY Storage Expansion: 8)
Maximum Capacity[3]	Up to 60 TB (NVR:12TB + DIGIARRAY Storage Expansion: 48TB)	Up to 58 TB (NVR:10TB + DIGIARRAY Storage Expansion: 48TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5	Linear(JBOD), RAID 0/1
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out	
Network Port[4]	Gigabit x 1	
USB Backup	Yes	
USB Connector	Front: USB 2.0 x 1 (For USB BACKUP) / Rear: USB2.0 x 2	
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch	164.94(H) x 114.97(W) x 246.1(D) mm 6.49(H) x 4.53(W) x 9.69(D) inch

DIGIEVER NVR Bundle Series

DIGIEVER NVR	DSB-12300 Pro+ series	DSB-12200 Pro+ series	DSB-8300 Pro+ series	DSB-8200 Pro+ series
Model Name	DSB-12364/12356/12349/ 12342/12336/12332 Pro+	DSB-12264/12256/12249/12242/12236/12232/ 12225/12220/12216 Pro+	DSB-8364/8356/8349/8342/8336/8332 Pro+	DSB-8264/8256/8249/8242/8236/8232/8225/ 8220/8216/8212/8209 Pro+
CPU	Intel High Speed CPU	Intel High Performance CPU	Intel High Speed CPU	Intel High Performance CPU
Supported Channel	Up to 64/56/49/42/36/32	Up to 64/56/49/42/36/32/25/20/16	Up to 64/56/49/42/36/32	Up to 64/56/49/42/36/32/25/20/16/12/9
Operation System	Linux-embedded			
Maximum Network Throughput	450Mbps	400Mbps	450Mbps	400Mbps
Support Local Display	Yes (HDMI/ VGA)			
Max Resolution Support on Local Display	Up to 8 Megapixel (4K UHD) /channel			
Max. Channel Supported on Local Display	Up to 64 channels / page			
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:900FPS/HD:1200FPS/D1:1600FPS (H.264)	Resolution up to 8MP(4K UHD)/ 4MP:360FPS/ Full HD:480FPS/HD:720FPS/D1:1000FPS	Resolution up to 8MP(4K UHD)/4MP:360FPS/ Full HD:900FPS/HD:1200FPS/D1:1600FPS (H.264)	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/HD:720FPS/D1:1000FPS
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)			
Built-in mini-CMS Server Monitoring[2]	Yes (Up to 256 channels)			
Storage Capacity per HDD	Up to 8TB			
Storage Expansion Units (DIGIARRAY)	2 Units (Bundle with NVR)			
HDD Tray	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)	12 (NVR:4 + DIGIARRAY Storage Expansion: 8)	8 (NVR:4 + DIGIARRAY Storage Expansion: 4)	8 (NVR:4 + DIGIARRAY Storage Expansion: 4)
Maximum Capacity[3]	Up to 80TB (NVR:32TB + DIGIARRAY Storage Expansion: 48TB)	Up to 80TB (NVR:32TB + DIGIARRAY Storage Expansion: 48TB)	Up to 56TB (NVR:32TB + DIGIARRAY Storage Expansion: 24TB)	Up to 56TB (NVR:32TB + DIGIARRAY Storage Expansion: 24TB)
Disk Configuration	Linear(JBOD), RAID 0/1/5/10			
Built-in DI/DO(Digital Input/Digital Output)	4-in, 2-out			
Network Port[4]	Gigabit x 2			
USB Backup	Yes			
USB Connector	Front:USB2.0x2(One for USB Backup) Rear: USB2.0x4	Front:USB2.0x2(One for USB Backup) Rear: USB2.0x4	Front:USB2.0x2(One for USB Backup) Rear: USB2.0x4	Front:USB2.0x2(One for USB Backup) Rear: USB2.0x4
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch

CMS-Matrix
Video Wall Software

DIGIEVER NVR
All-in-one NVR servers

Up to 1024 CH

CMS-Client
Central Management Software

CMS-Client (Central Management Software)

Liveview	
Max. Channels	Manage up to 1,024 channels with multiple DIGIEVER NVRs, and display up to 64-channel liveview* on single liveview page for any important channel
User Privilege Management	Up to 5 privilege levels for different accounts: administrator, power user, user, operator and guest
Multi-account Management	Create account association between CMS and NVRs. One CMS account can directly access NVR servers
Customized Display Mode	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8, full screen, user-defined
Advanced Image Rotation	Allow users to easily rotate liveview channel to 90°, 180°, or 270° degree
Immervision Panomorph	Select suitable camera position (Ceiling, Ground, Wall) and display Mode (PTZ, Quad, Parameter) for liveview monitoring
Smart Stream Optimization	Automatically adjust streaming quality, according to the different liveview display modes, to perform the best liveview quality
Group Management	Add favorite camera to customized group to display sequentially and to execute group playback
Highlight Video Window	Immediately highlight video channel with red frame to indicate event situation
Event Log History	A detail list of event history to check event information
Event Log Instant Playback	Quickly view event video via clicking play button on event panel
Device Name Search	Quickly find managed NVR and camera by entering keyword
Save/Load Configuration	Export configuration file on PC and load it to other PC to speed up CMS deployment
E-Map	
Multi-layer DynamicMaps	Build up multi-layered interactive maps to quickly locate trouble zones in a comprehensive overview.
Intuitive E-map Indicator	Change camera icon to desired type and direction
Multiple Image Formats Support	Upload maps in BMP, GIF, JPEG and PNG formats wiht no limitation of image size
Video Pop-out Window	Instant notification by a pop-out video window, including Camera Motion, Camera Digital Input, and NVR Digital Input event
E-map thumbnail links	Quickly access to other related maps to locate camera detail location from different aspects of maps
Camera Location Search	Direct users to E-map layer and pop out a video to let users check camera current situation by double-clicking the camera on device panel
Playback	
Multi-channel Playback	Maximum 16-channel simultaneous playback
Search Methods	Search by date, time and recording type(Normal, event, video clip, recovery, time overlap)
Playback Control	Rewind, Slow motion, Fast forward and Frame by Frame Playback
Smart Search	Five quick search modes: Motion Detection, Foreign Object Detection, Missing Object Detection, Loss Focus, and Camera Tampering Detection. Double click on smart search result to start playing the video
Dewarping Methods	Support Immervision panomorph and various de-warping methods
Video Export and Snapshot	Export video files and take snapshots to save any videos found in investigation
Video Wall Configuration (with CMS-Matrix)**	
Multi-Monitor Settings	Display monitor identification number on each monitor allowing users to assign suitable layout for diverse surveillance purposes
Flexible User-defined Layout	Create various styles of layout through user-defined layout tool
Sequential Setting	Enable sequential mode to display several layouts
Video Wall Setting Preview	Remotely preview video wall on CMS-Clients to speed up the video wall configuration
Dual-Stream Support	Manually choose stream 1 or stream 2 for each channel to save bandwidth
Restore Point	Restore previous monitor/layout setting when accidentally monitor's unplug video output

CMS-Matrix (Video Wall Software)

Flexible Monitors Scalability	Depend on display cards installed on PC
Monitor Availability	Execute command from CMS-Client to control the availability of monitors
Monitor Identification	Execute command from CMS-Client to display monitor identification number on screen
Save Current Monitor/Layout Settings	Restore to previous monitor setting when reconnected to a monitor or be restarted
Highlight Video Window	Highlight liveview video window in red frame
Recording Status	Update recording status on video wall

*For more than 64 CH liveview at the same time, it is suggested to use CMS-Matrix as liveview video wall.
**CMS-Matrix is optional.

DIGIEVER Mobile NVR Specifications

DIGIEVER Mobile NVR	MN-2100 Pro+ series	MN-1100 Pro+ series
Model Name	MN-2136/2132/2125/2120/2116/2112/2109/2105 Pro+	MN-1136/1132/1125/1120/1116/1112/1109/1105 Pro+
CPU	Intel High Performance CPU	Intel High Performance CPU
Memory	2GB (up to 8GB)	2GB (up to 8GB)
Supported Channel	Up to 36/32/32/25/20/16/12/9/5	Up to 36/32/32/25/20/16/12/9/5
Operation System	Linux-embedded	Linux-embedded
Maximum Network Throughput	300Mbps	300Mbps
Support Local Display	Yes (HDMI/ VGA)	
Max Resolution Support on Local Display	Up to 8 Megapixel (4K UHD) / channel	
Max Channel Supported on Local Display	Up to 36 channels/ page	
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:120FPS/ Full HD:300FPS/ HD:600FPS/ D1:900FPS (H.264)	
Video Format	H.264, MPEG-4, MJPEG, MxPEG (Depending on camera models)	
Storage Capacity per HDD	Up to 2TB (SSD/ 2.5" HDD)	
HDD Tray	2	1
Maximum Capacity[2]	Up to 4TB	Up to 2TB
Disk Configuration	Linear(JBOD), RAID 0/1	Linear(JBOD)
Built-in DI/DO(Digital Input/Digital Output)	4-in, 4-out	
Network Port[3]	Gigabit x 4	
USB Backup	Yes	
Optional Module	3G/ 4G/ Wi-Fi/ GPS/ PoE/ Anti-vibration kit for 2.5" HDD/ Adaptor (AC 100V~240V)	
Power Ignition Module	Yes	
USB Connector	Front: USB2.0x4	Front: USB2.0x 4
Operating Temperature	-20 ~70°C / -4 ~158°F	-20 ~70°C / -4 ~158°F
H/W Dimensions	77.3(H) x 273.8(W) x 188(D) mm 3.04(H) x 10.78(W) x 7.4(D) inch	64.8(H) x 273.8(W) x 188(D) mm 2.55(H) x 10.78(W) x 7.4(D) inch

Note 1. H/W decode local display max. FPS in single page is based on camera's compression format H.264.
Note 2. The standard system is shipped without HDD.
Note 3. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.

DIGIARRAY Specifications

DIGIARRAY DA Series	DA-4000E
HDD Tray	4 (Swappable)
Hot Swap	Yes
Storage Capacity per HDD	Up to 6TB
Maximum Capacity	Up to 24TB (2.5"/ 3.5" SATA HDD x 4)
Disk Management	Linear(JBOD), RAID0, RAID1, RAID5, RAID10
RAID Algorithm	Hardware RAID
LED Indicator	eSATA, HDD1, HDD2, HDD3, HDD4
Port	eSATA
H/W Dimensions	184.94(H) x 205.3(W) x 245.8(D) mm 7.28(H) x 8.08(W) x 9.68(D) inch

Decoder Specifications

Video Wall Decoder VD Series	VD-0000 Series
Model Name	VD-0064/0049/0036/0025
Supported Channel Model	Up to 64/49/36/25
Display Modes	1/3/4/5/8/9/10/12/16/20/25/30/36/42/49/56/64 & 5+1/12+1-channel & sequential and full screen
Video output connector	HDMI/ DVI-I
H/W Decode Max Resolution	Resolution up to 8MP (4K Ultra HD) per channel
H/W Decode Local Display Max. FPS in Single Page[1]	Resolution up to 8MP(4K UHD)/ 4MP:200FPS/ Full HD:480FPS/ HD:720FPS/ D1:1000FPS
Video Compression Format	H.264, MPEG4, MJPEG, MxPEG
CPU	Intel High Performance CPU
Directly Connect to Camera	Yes. Support Integrated Cameras, ONVIF and Generic RTSP/ MJPEG
USB Connector	USB Connector : USB3.0 x 2, USB2.0x4 (For keyboard &mouse and USB dongle)
Audio	Yes
LAN Port[2]	Gigabit x1
Remote Controller	Yes (Optional)
H/W Dimensions	237(H) x 58.5(W) x 192(D) mm 9.33(H) x 2.3 (W) x 7.56(D) inch

Note 1. H/W decode local display max. FPS in single page is based on camera's compression format H.264.
Note 2. User is advised to connect cameras and DIGIEVER NVR with gigabit switch.

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

DIGIEVER

Linux-embedded IP Video Surveillance Solutions

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Each product series has different certifications

CE FC VCI N625 E13

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