



DIGIEVER

Empower Your Vision



CMS-Matrix

CMS-Client

E-map

Liveview 1

Liveview 2

Playback

DIGIEVER CMS

CMS-Client (Central Management Software)

- Manage up to 1024 channels via NVR
- Monitor up to 144 channels per page
- Multi-task monitoring on multi-monitor
 - Dual display window for vital cameras
 - Multi-layer dynamic E-map
 - Multi-channel playback, smart search and data 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
- Advanced schedule sequence group
- Flexible monitor scalability based on the number of display cards
- Dual stream auto switch to save bandwidth
- Restore point: save current monitor/ layout settings



Compatible Network Camera Brands and Partners



Technical Alliance

CMS-Client Software Specifications

Liveview

Maximum Channels	Up to 1024 channels from multiple NVR	
Maximum Channels per Page	Up to 144 channels	
Display Mode	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8, 9x9, 10x10, 11x11, 12x12, full screen, user-defined	
Video Compression Format	H.265/ H.264/ MPEG-4/ MJPEG/ MxPEG (Depending on the connecting cameras)	
DG-Decode	Supported Hardware Decode for H.265 and H.264 cameras	
Dual Display	The second monitoring window for vital cameras	
Streaming Mode	Support stream mode to adjust liveview streaming from NVR or cameras	
Image Ratio	Fit mode/ Original mode	
Image Rotation	90, 180, 270 degree	
ImmerVision Panomorph	Camera Position: Ceiling, Ground, Wall Display Mode: PTZ, Quad, Parameter	
Liveview Control	Digital zoom in/ out, mute	
Liveview OSD Setting	Define the font, size, position and color of the OSD (on-screen display)	
Double-click Behavior	Switch to 1x1 or pop-out liveview window	
Liveview Snapshot	Offer 3 modes (single channels/ matrix/ all channels) and 3 formats (BMP/ JPG/ PNG) of video snapshots	
Group Management	Favorite Group	Add cameras in desired display mode to quickly check live videos and playback videos
	Sequential Mode	Sequentially display favorite layouts in defined interval
Multi-level Favorite Group	Create sub-level favorite groups with 5 layers and 100 layouts for each group	
Edit/ Lock Mode	Support Edit/ Lock mode for device list and liveview window on liveview	
Drag-and-drop Design on CMS panel	Re-order the device, layout and favorite group to a new position via drag and drop	
Add All Cameras	Quickly add all channels from one NVR or all NVR	
Edit Cameras	Add or remove the cameras via check or uncheck (for over 64-channel license)	
Stream Optimization	Automatically switch between Stream 1 (for high quality) and Stream 2 (for bandwidth saving) based on display mode	
Stream from Record	Display NVR's recording stream to minimize the influence of camera limitation	
Stream from NVR Relay	Display stream from NVR's relay server to satisfy multiple clients simultaneous monitoring needs and to minimize the influence of camera limitation	
Tool Panel	Execute PTZ control and show NVR/ IP camera's information	
Event Panel	Instant Playback	View event videos (up to 5 videos a time): Double click to watch event video (6 seconds) or right-click to decide video duration (30 seconds, 1 minute, 5 minutes)
	Event Notification	Highlight new events in pink background color
	Release All Alarm	Release all events highlighted in pink background color
Event Panel Tools	Event Filter	Filter the event from specific NVR or cameras
Highlight Video Window	Highlight liveview window in red frame when events happen	
Liveview Instant Playback	Rewind up to 15 minutes earlier directly on the liveview channel or on the pop-out window while monitoring liveview channels via right-click menu	
Video Pop-out Window	Instant notification by single and quattro video pop-out windows	
Schedule of Event Pop-out Windows	Pop-out single or quattro video window in user-defined schedule when camera's event is triggered	
NVR Reconnection	Automatic reconnection and manual reconnection	

CMS-Client Software Specifications

E-map

Multi-layer Maps	Build up multi-layer interactive maps to quickly locate trouble zones in a comprehensive overview
E-Map Thumbnail Links	Drag and drop to create thumbnail links on E-map as shortcuts to other maps
Drag-and-drop Design on Map Panel	Build and re-design maps to a new position via drag and drop on Map panel
Diverse Map Formats	Support BMP, GIF, JPEG and PNG formats with no limitation of image size
Intuitive E-map Indicator	Change camera icon in desired type, size, color, and direction
Edit Mode/ Lock Mode	Edit mode: for installer to configure E-map Lock mode: for user to avoid careless operation
Camera Location Search	Easily obtain camera's specific location via double-clicking the camera on device panel
Map Sync Server	Map sync server to synchronize E-map settings for diverse CMS-Client
E-map Manipulation Tool	Freely drag and drop camera to specific location on E-map Zoom in/ out with mouse scroll for further map information Double click camera icon to display liveview video with resizable window Control PTZ functions via PTZ panel
Video Pop-out Window	Instant notification via pop-out video windows for all E-maps
Double-click to Pop Out Large Video Window	Pop out large video window to check details and do further action with function bar

Playback

Multi-NVR Selection	Retrieve specific recorded videos from numerous NVR database to save time
Multi-channel Playback	Up to 16-channel simultaneous playback from multiple NVR
Group Playback	Quickly playback videos from favorite group's layout with no need to select each camera from different NVR servers
Two Options for Playback Menu	Options to show unused channels and to save current setting for playback convenience
Video Search Methods	Search by date, time and recording type
Thumbnail Preview	Mouse over the footage to quickly have thumbnail preview
Display mode	Full screen, 1, 4, 5, 9, 16-channel playback simultaneously
Recording Type	Normal, event, video clip, recovery, time overlap and failover
Playback Control	Play, fast forward, slow motion, audio, frame by frame and rewind
Up to 128x Fast Forward	7 fast-forward speeds (2x, 4x, 8x, 16x, 32x, 64x, 128x) to get the key moment of video more quickly
Skip Blank Video	Skip the blank recording files to save time
Image Ratio	Fit mode/ original mode
ImmerVision Panomorp	Display mode: PTZ, quad, perimeter Camera position: ceiling, ground, wall
Audio	Enable audio/ mute
Digital Zoom	Digital zoom in and out support on playback page and timeline bar
Retrieve 3-day Videos	Support cross-day playback for tracking a longer period of time
Playback OSD Setting	Define the size, position and color of the OSD (on-screen display) on playback page
Snapshot	Save pictures to a user-defined path
Instant Export	Export maximum 16-channel videos while playing recoded videos
Smart Search	Motion detection, foreign object detection, missing object detection, camera tampering detection, lose focus
Bookmark	Create and edit user-defined events to mark special moments for a specific camera during video playback
Data Search	Camera event, NVR event, External I/O device, License plate recognition, People counting, and Bookmark
Time-divided Search	Divide a video into many snapshots and display the first frame of that period of time on each channel

Multi-NVR GPS Monitoring for Mobile NVR

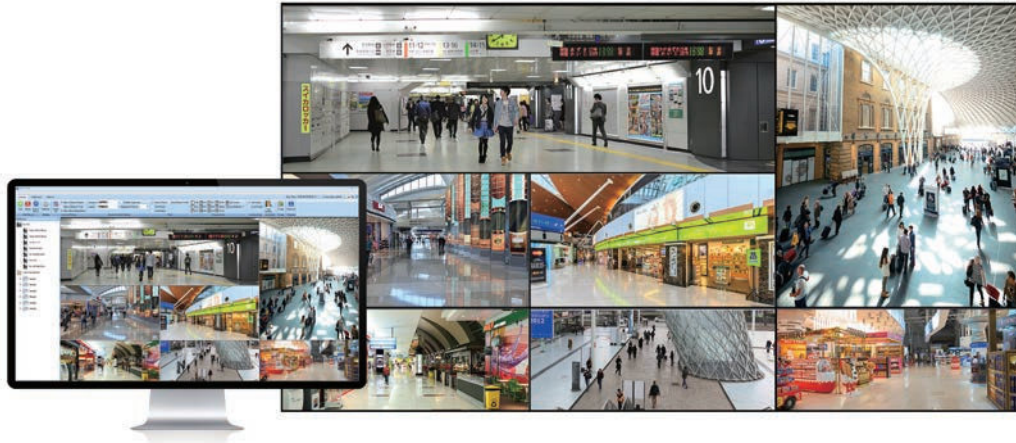


Vehicle Management (MN-Client)

GPS Position Indicator	Indicate Mobile NVR's location on Google Maps
Multi-NVR GPS Monitoring	Design a suitable layout via 3 window modes (Cascade/ Horizontal/ Vertical) to monitor multiple Mobile NVR
Display Mode	1x1 (map only), Nx1 (row display), 1xN (column display), 2x2 (square), 3x3, 4x4, full screen, user-defined

System Configuration

User Privilege Management	Offer 5 privilege levels for security control (administrator, power user, user, operator and guest)	
Multi-account Management	Create account association between CMS and NVR. One CMS account can directly access NVR servers	
Detail Log Information	Complete coverage of user's operation log, including device management, user privilege management, alarm release, playback, e-map, log in, log out, and so on	
Event Management	Camera events	Camera connection lost, camera motion detection, camera audio detection, camera digital input, camera cross line detection, camera tampering detection, intrusion detection, temperature detection, loitering detection, foreign object detection, missing object detection, call button, people counting threshold alarm, advanced motion detection, human detection
	NVR events	NVR connection lost, storage threshold warning, NVR digital input, NVR HDD fail warning
	NVR storage events	HDD error, HDD fail, RAID degraded, RAID failed
Action Management	Highlight video window, video pop-out window, highlight new event notice, instant playback, blinking camera icon and alert sound	
Save/ Load Configuration	Save and load configuration between different computers to speed up the software deployment by saving and loading configuration	
Customizable Interface	Customize user interface by using drag, move, group, expand, collapse, attach, and detach panels	
Auto NVR Detection	Smartly list NVR information in the same LAN to easily add NVR into CMS	
Find Devices by Name	Find NVR and camera by entering keyword	
Quick Link to NVR Web Interface	Quickly visit NVR's web interface to do further configuration	
Joystick Support	Support any joystick which can be recognized by Windows	
Channel License Upgrade	Enter authorized license key to expand the channel number	
Hotkey Support	Use hotkey to intuitively change monitoring mode	
Language Support	Bulgarian, Chinese (Simplified), Chinese (Traditional), Croatian, Deutsch, English, French, Hebrew, Indonesian, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Thai, Turkish	



CMS-Matrix Software Specifications

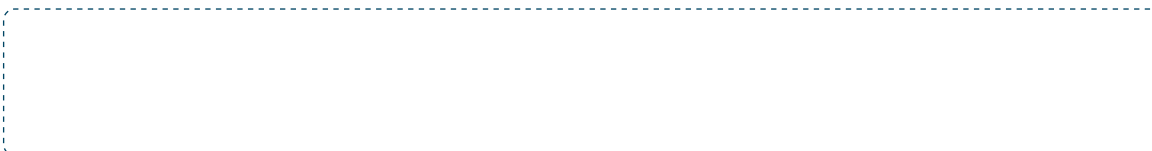
Maximum Video Inputs	Unlimited
Video Wall Configuration	Centrally configure video wall via CMS-Client
Monitor Identification	Identify monitors via the number identified on each monitor to assign suitable monitoring task
Display Mode	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8, 9x9, 10x10, 11x11, 12x12, full screen, user-defined
Sequential Mode	Sequentially display favorite layouts in defined interval
Schedule Sequence Group	Customize sequential monitoring schedules to satisfy various time range usages
Smart Stream Optimization	Select suitable video stream based on surveillance network environment and video quality to save bandwidth
ImmerVision Panomorph	Display mode: PTZ, quad, perimeter
Save Configuration File	Export and import CMS-Matrix configuration setting file
Stream from Record	Allow NVR to duplicate its recording stream and send to CMS-Matrix for one camera or for the current layout, instead of requesting another stream from camera
Highlight Video Window	Highlight live view video window in red frame
Restore Point	Restore previous monitor/ layout setting when accidentally monitor's unplug video output

CMS Hardware Requirements

PC Requirements for CMS-Client/ CMS-Matrix

CPU	Intel® Core i7 or higher
RAM	8 GB or above
Graphic Adapter	DirectX 9 compatible, 1GB memory or above
Network Interface Card	Ethernet, 1Gbit is recommended
Operating System	Microsoft® Windows® 7/ 8 /10 (32 bit/ 64bit) is recommended
Number of Monitor Support	Depend on availability at installed graphic adapter
Network Switch	Gigabit network switch is highly recommended
Router	Gigabit router is highly recommended
Network Cable	Category 5e cable (CAT-5e) or Category 6 cable (CAT-6) is highly recommended for Gigabit Ethernet

Authorized Dealer:



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