

H.264 Intelligence DVR Card

Plus Hybrid IP

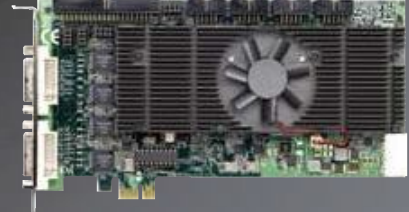
Hybrid DVR



-CP-3004M



-CP-3008M



-CP-3016M

Key Features

- Supports megapixel IP cameras
- Supports H.264 compression format
- Triple monitor display
- Support for standard (4:3) and wide screen display (16:9, 16:10)
- Supports Joysticks
- E-map
- Instant Playback
- Two-way audio
- Unique GUI recording schedule
- Digital PTZ and multi-view
- Smart detection of 6 events with 10 instant responses
- Counting application
- Intelligent playback system with 5 video analytics searches
- POS and I/O device integration
- Up to 128 channels remote live view
- Supports transcode and multiple stream profiles
- Supports digital watermark
- Remote playback, remote backup, remote I/O control and remote desktop configuration
- Supported by Central Management System (CMS)
- Supports 49 brands of IP cameras and over 1000 models
- Supports 24 languages
- Supports Windows mobile , iPhone and BlackBerry clients
- Supports video looping output by HDMI and RCA only for CP-7108, CP-7116

Accessories



☒ - POS Box

Technical Specifications

Model	CP-7108	CP-7116	CP-3004H	CP-3008H	CP-3016H	CP-3004M	CP-3008M	CP-3016M	
Video Input	8	16	4	8	16	4	8	16	
Audio Input	8	16	4	8	16	4	8	16	
Maximum Cards	1 Card	1 Card	4 Cards	4 Cards	2 Cards	4 Cards	4 Cards	4 Cards	
Maximum Channels	8	16	32			64			
Display Rate	NTSC	240 fps	480 fps	120 fps	240 fps	480 fps	120 fps	240 fps	480 fps
	PAL	200 fps	400 fps	100 fps	200 fps	400 fps	100 fps	200 fps	400 fps
Recording Rate @CIF	NTSC	240 fps	480 fps	120 fps	240 fps	480 fps	120 fps	240 fps	480 fps
	PAL	200 fps	400 fps	100 fps	200 fps	400 fps	100 fps	200 fps	400 fps
Recording Rate @D1	NTSC	240 fps	480 fps	120 fps	240 fps	480 fps	30 fps	60 fps	120 fps
	PAL	200 fps	400 fps	100 fps	200 fps	400 fps	25 fps	50 fps	100 fps
Video Resolution	NTSC	704x480; 352x240; 176x120		704x480; 352x240; 176x120			704x480; 352x240; 176x120		
	PAL	704x576; 352x288; 176x144		704x576; 352x288; 176x144			704x576; 352x288; 176x144		
TV Output Rate	w/ HDMI: RCA & HDMI: 10fps w/o HDMI: RCA: 25fps Only HDMI: HDMI: 14fps			None			None		
Compression Format	Hardware Compression H.264			Hardware Compression H.264			Hardware Compression H.264		
Interface	PCI-e			PCI-e			PCI-e x1		
Available I/O Box				Support					
Hardware Watchdog				Support					
Dimension (mm)	167 (W) x 121 (H)	167 (W) x 121 (H)	167 (W) x 121 (H)	167 (W) x 121 (H)	216 (W) x 126 (H)	167 (W) x 121 (H)	167 (W) x 121 (H)	216 (W) x 126 (H)	
Warranty	2 years*								
System Minimum Requirement (per card)									
OS Supported	Windows XP / Windows 2003 / Windows 7								
CPU	Intel I3 540		Intel Core 2 DuoE5300			Intel Core 2 DuoE5300			
RAM	2GB								
	Above RAM amount is recommended based on one DVR card installation. For system with multiple DVR cards stacked 1G RAM for system under 16ch 2G RAM for system under 32ch and 3G RAM for system with 32ch or above are recommended.								
HDD	250 GB								
Mother-board	Intel P45 or P43 chip or above MB vendor ASUS Gigabyte or MSI with Intel Chipset recommended								
Display	XP/2003: nVIDIA GeForce GT-9800 or above are recommended ; Win7: ATI Radeon 3850/4850 are recommended								

* For stability reason we strongly recommend to apply a desktop with a system fan when using CP-7108, CP-7116 , CP-3004H, CP-3008H, CP-3016H, CP-3004M, CP-3008M, CP-3016M series.
** Any combination of CP-7108, CP-7116 cards is possible with a limitation on the maximum 32 analog to be manage on single machine, and video looping maximum up to 16 channels

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❖ System, Setting, Management & Integration:

- Open Platform: Supports over 1000 models of IP cameras, megapixel cameras and video servers from 49 brands of network camera manufacturers; supports H.264, MPEG-4, MJPEG, MxPEG video formats; integrates various systems including point of sale (POS) and I/O devices, SDK for access control integration available upon request.
- Multi-site/Multi-server: Supports up to 64 channels, from IP cameras and video encoders with analog cameras, and can be managed by CMS or remote live view client for centralized management in multi-site projects.
 - *The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check with technical support for calculation
- Multiple Video Clients: can stream video to multiple Remote Live Viewers, web clients and mobile clients simultaneously.
- Intelligent Video Analytics: FINE IVS supports 6 types of video analytics including general motion, missing object, camera occlusion, foreign object, focus lost and signal lost. Each IVS alarm can trigger up to 10 unique instant notifications.
- Intelligent PTZ: Joystick support on PTZ cameras and software enabled digital PTZ function are both available in FINE DVX series, NVR-2U series. Preset points and patrol functions are also available on many camera models.
- GUI Recording Schedule: Intuitive GUI recording schedule featuring continuous recording, motion recording and the 6 unique event recording modes. Users can define the recording schedule for each camera on a day by day basis.
- Triple Monitor: Up to 64 channels of live view video can be displayed per monitor. Monitor 1 and monitor 2 can both display live view video or act as alarm monitor while the 3rd monitor can be used for playback
 - * The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check with technical support for calculation
- Transcoding: Record and display live video at different frame rate and resolution.
- Advanced E-Map: Capability to import custom image file, place the cameras and I/O on the map to indicate where events are being triggered with a convenient video preview window.
- User-Friendly Interface: GUI recording schedule, camera drag and drop, I/O control menu and PTZ control menu.
- Automatic Camera Model Detection: automatically search for all available IP cameras within the network (camera must support UPnP protocol). For cameras that don't support UPnP, users can manually insert the IP camera. The auto detection function will help the user to find the brand and model of the camera after specifying its IP address.
- Counting Application: intelligent 2-way (in and out) counting of object, people and traffic.
- User Authority Management: Support unlimited number of users with detailed and fully customizable user privilege on each user.
- Network Flow Monitor: Data streaming bandwidth of each remote client connection to the FINE DVX series, NVR-2U series. can be monitored and blocked if flow rate is too high.
- Auto Recycle: Automatically recycle recording files when the storage is full. Separate recycle schedule between recordings and varies log files.
- Integration Support: Open SDK for integration with third-party systems such as access control, automation, burglar alarm, video analytics and others.

❖ Live Display

- Multi-view: FINE DVX series, NVR-2U series can duplicate the same live view video onto multiple channels and digitally zone in to see the details of different spots on cloned channels without losing the original live view video.
- Intelligent PTZ: Joystick support on PTZ cameras and software enabled digital PTZ function are both available in FINE DVX series, NVR-2U series. Preset points and patrol functions are also available on many camera models.
- Monitor Resolution: Supports 1024x768, 1200x900, 1280x1024, 1440x900, 1600x1200, 1680x1050, 1920x1080, 1920x1200 screen resolutions
- Advanced E-Map: Freedom to import custom image file, place the cameras and I/O on the map to indicate where events are getting triggered with a convenient video preview window.
- Bandwidth Monitor: Monitor and display the bandwidth usage of individual cameras and remote viewing clients.
- Two-way Audio: Listen and record audio from camera's microphone. Talk to IP camera's speaker.
- Instant Playback: Allow to play the last few minutes of any live video channel on Main Console and Remote Live View

❖ Playback, Search, Export and Secure data

- Post-Recording Processing: Search for 5 types of different analytics events, digital PTZ and video enhancement tool are all available in playback.
- Multi-Channel Playback: Play up to 16 channels of recorded video simultaneously both locally and remotely.
- Video Enhancement: Fine tune the image's visibility, sharpen, brightness, contrast or even grey scale.
- Intelligent Search: Search for 5 different special events (general motion, missing object, foreign object, camera occlusion and signal lost) in recorded files with date, time and log file.
- Video Export: Take a snapshot of the recording in JPEG/BMP format or export a section of the video in "AVI" and "ASF" format.
- Backup: Backup the recording for archiving purposes or backup the recording with an embedded player to watch at a separate location. NVR supports both local and remote backup to local HD, CD, and DVD.
- Log data: Unusual event, system log, counting application, POS log and export and backup can export to "xls" or "txt" file
- Watermark: Protect for original recording from alternation with our watermark verification tool.
- DBTool: Reconstruct, repair or relocate the recordings in local drive, or external drive.

❖ Remote operations

- Multiple Live View Display: Streaming live video from multiple FINE DVX series, NVR-2U series simultaneously. Dual monitors support with up to 128 channels per monitor (64 channels per monitor).
 - *The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check with technical support for calculation
- Multi Playback Channels Display: Remote playback of 16 channels recording from any one of the FINE DVX series, NVR-2U series.
- Intelligent PTZ: Joystick support on PTZ cameras and software enabled digital PTZ function are both available in FINE DVX series, NVR-2U series. Preset points and patrol functions are also available on many camera models.
- I/O Event Control: Easy to use input and output control panel to remotely trigger digital outputs and monitor input status.
- E-Map: A map view of where each camera and I/O devices are located with a convenient preview window.
- Two-way Audio: Listen and record audio from camera's microphone. Talk to IP camera's speaker.
- Remote Backup: Backup the video into .DAT format with a player attached for easy achieve and viewing purposes.
- Web-browser (client): Display up to 64 channels of live video stream or 16 channels of playback in I.E. from any single FINE DVX series, NVR-2U series.
- PDA Viewer: Up to 16 channels snapshot or 1 channel live display; PTZ and I/O control.
- iPhone: Support iPhone application client and browser client (safari) to live view video and control PTZ functions.
- BlackBerry: Support BlackBerry application client to live view video and control PTZ functions.

❖ Extension Service

- Central Management System: Ultimate central monitoring solution for grand scale projects and projects with multiple sites. Fully compatible with all FINE DVX series, NVR-2U series.
- Remote Desktop Service: Embedded remote desktop server that will host for any remote desktop clients to remotely configure the NVR software (remote desktop client is installed separately).
- 3GPP Service: FINE DVX series, NVR-2U series supports mobile devices through 3G network to stream live view video.

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External Device:

- Point of Sale (POS): Point of Sales system works on FINE DVX series, NVR-2U series by overlaying the transaction text from cash register onto live video channels. All POS recordings are searchable.
- External I/O capacity: Please refer to our I/O box section: CP-SIO4 , CP-SI16 , CP-SO16.
- ImmerVision Lens: Lens supported.

Smart Guard:

• **Smart detection** of 6 camera events, 14 different user-defined POS events, digital input events and 4 system events. The combination of our smart guard events is a powerful tool to combat vandalism and provide a platform for operators to monitor and respond to live events immediately.

- Camera Events:

- General Motion
- Missing Object
- Foreign Object
- Focus Lost
- Camera Occlusion
- Signal Lost

- Signal Digital Input Event

- System Event:

- System alarm on Disk Space Exhausted
- System alarm on System Health Unusual (CPU temperature)
- System alarm on Resource Depleted (CPU loading)
- System alarm on Network Congestion

• **Instant alarm notification** is the fastest and most cost efficient way to automatically respond to any smart detection event.

- 10 automatic instant alarm responses:

- On Screen Display
- Play Sound
- Send E-mail
- Phone Call
- PTZ Preset Go
- Signal Digital Output
- Send a SMS message
- Send to Central Server
- Send Snapshot to FTP
- Popup E-Map on Event

Support Language					
Chinese (Simplified)	Chinese (Traditional)	Czech	Danish		
English	Finnish	French	German		
Greek	Hebrew	Italian	Japanese		
Korean	Norway	Polish	Portuguese(Brazil)		
Portuguese(Portugal)	Russian	Serbian	Slovak		
Spanish	Swedish	Thai	Turkish		
IP Camera Brand(s) Supported					
IP Camera Brand(s) Supported	FINE	ACTi	ARM	Atlantis	Axis
	Basler	Bosch	Brickcom	Camtron	Cisco
	CNB	Digimerge	D-Link	Dynacolor	ENE0
	Etrovision	EverFocus	HIKVision	IQinvision	JVC
	Hitron	Honeywell	Icanted	Lumenera	Mobotix
	LevelOne	Linksys	Lorex	Pelco	Pixord
	Moxa	Onvif	Panasonic	Santec	Sanyo
	Planet	Samsung			
	Seorim	Sony	StarDot	Toshiba	Truen
	Videosec	Vivotek	Y-cam	Zavio	Arecont

User Interface



- Live



- Playback



- I.E