The Hybrid Extreme Surveillance Solution for Integrators looking to Make, Manage and Move Video with a Complete All-In One Solution

Hybrid HD (Megapixel) Recording System
Super Hybrid Server = an all-in-one solution for IP, HD-SDI and Analog cameras

Real-Time Live, Record, Search, Playback
Features Real-Time Live Mode, Real-Time Record Mode, Real-Time Search Mode and Real-Time Playback Mode

Remote Client, Web and Mobile accessible
Central Monitoring Software (CMS) with all the features of the Server, plus standard browser and mobile device software

Easy System Configuration
Built-in wizard device scanner, user management, schedule management and management of Real-Time Live events

All specifications may change without notice.
A single software that works for Analog, HD-SDI, and IP (Network) camera inputs

The Extreme VMS Software can simultaneously record a maximum of 64 cameras from SD (Analog), HD-SDI and/or IP Network Video Cameras. A maximum of 32 SD (Analog) channels or 16 HD-SDI channels using DVR capture cards, or a maximum of 64 IP (network) cameras through a Gigabit LAN port. The different video input formats are processed seamlessly to provide recording, live monitoring, search and playback.

Many types of Network video cameras are supported

The Extreme VMS Software supports ONVIF which is compatible with several types of network video cameras and other technologies as well. For example, High Definition (Megapixel) and Standard Definition (Analog) IP cameras that are that using the industry standard, H.264 compression format, will work without any conversion.

Personalized display attributes

The menus are displayed by text with graphical icons for a user to understand and operate easily. Also, messaging and notifications are supported in multiple language formats by selecting the correct interface language.

Multi-tasking available with low CPU usage with Intel’s Hardware Decoder

The server software runs on “off-the-shelf” PC hardware. Utilizing the Intel HD Codec to display the video without any decoding, the CPU usage rating is below the software decoder for live and playback display. Multi-tasking is masked for the following: Recording, Motion detection, live monitoring, playback/search, backup, archive, event, live remote streaming, and remote playback streaming.

Advanced Motion Detection

Advanced motion detection is self automated; it does not need to connect to a device. The single motion detection setting screen can be set for all connected cameras. It offers up to 4 detection areas.

Multiple screen support and Mixed content

Users can arrange an unlimited number of different layouts, consisting of cameras, e-maps and Point of Sale (POS). Individual viewing is able to switch between live mode, search mode, windowed, and full-screen viewing mode. Dual monitor displays are also supported.

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Instantly Access Individual Channel Features

Per-channel controls for: Playback, Digital Zoom, Save to file, Copy to clipboard, Aspect ratio display. And display status for: live, motion detection, recording, audio, PTZ.

Real-Time Event Monitoring and Device Status

All devices (Cameras, alarm inputs and alarm outputs, etc.) are displayed in real-time.
All Events are monitored and listed within the “Event monitor” for the following: Device event (Camera, alarm input, alarm output), system event, and user event. When a listed event is double clicked (selected), the video is instantly searched for the specific time of the event.

Event and status notifications are used for the following: When a camera goes offline, video loss detected, alarm input switches on/off, alarm output switches on/off, user logs in/out, storage status, motion detection starts/ends, and so on.

E-Map Supports Multiple Formats

The E-Map can be set with background still images of the following formats: JPG, BMP, PNG, and GIF files. Web pages can also be used for special web site monitoring, or geographical maps for locations. Multiple maps can be shown in a view and cameras can be displayed to a channel window by simple drag-and-drop.

Upcoming new generation map; 3D Map for Building, cruise, passenger board, cargo ship, airplane, airport, theme park; GIS Map for civic buildings, transport road, train road, civil and architectural building and other structures.

Sharing properties with remote applications

Shared asset management, includes maps for easy navigation to cameras, icons and events tagging / classification tables.

Remote Viewing

Remotely connect to multiple recorders to view live and recorded video over the local area network, over a low bandwidth wide area network connection, or standard web browser or compatible mobile device.

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**Time Based Thumbnail Search**

Time Based Thumbnail Images provides for quick and easy searching. Time-based Thumbnail displays the selected camera in panorama images as a representation of the video frames within a selected time range to be searched.

This provides for a quicker and more precise way to find a detail or event of interest. Clicking an individual thumbnail moves all the displayed cameras to the selected time.

**Kinetic Endless Scalable Timeline**

The endless horizontal time line is programmed with kinetic variability, meaning that it responds to the momentum and speed of the user’s 'swiping' movement on the timeline. This allows for accurately reviewing variable periods (from 24 hours to 30 seconds) of recorded video in a short time, with color indicators for recorded video and stamped to display detected motion during periods of continuous recording. The Scalable timeline provides a precise way to search recorded video for detail or events that go back further, color coded for motion activity and areas of recorded video. The timeline can be dragged to control multi-camera synchronous playback.

**Multiple Search Options (Event Search, Smart Search, Point of Sale (POS) Search and Bookmark Search)**

Event Search is a quick and easy way to search for recorded events. Smart Search (Object Search) searches the recorded video for motion within predefined areas. POS search allows a user to search transaction data in increments that can be set as Item, Invoice, Receipt, Amount, etc. This locates the transaction and associates the video with the transaction.

**Exporting Evidence - Save Images (BMP, JPEG, PNG), Save Video AVI or Proprietary compressed to CD/DVD, USB or Mapped Network Drive**

Video evidence is exported as: annotated still image report, multiple still frames, audio-included AVI file. Hybrid Extreme server supports burn to CD/DVD media directly.

Video export tasks are performed seamlessly in the background; tools include job status and cancel button.

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Control User Access

By logging in to the Hybrid Extreme server, users gain access to cameras and software permissions. Users are assigned to grant user rights for cameras, assets and operation (including PTZ controls and presets, accessing recorded video and initiating recording for specific cameras).

Event Management

All events within the Hybrid Extreme server, as well as messages received from external devices and systems, are managed through the Event Setup. These include camera connected I/O messages; motion detection events; camera status events and others. Schedule-based distribution of events are handled simultaneously by multiple operators, recording related cameras, e-mail notification, alarm output control, and etc.

System configuration wizards

Cameras and other devices are automatically discovered and detected based on user preference (Universal Plug and Play, Broadcast and IP Range scanning). The Wizard can be used for adding cameras and user configurations.

Recording schedule (Always, Key-Frame, Motion, Event, Customized schedule)

Individual cameras can be configured for recording by motion, continuous recording, key-frame (I-frame) recording, event-based recording, or either by schedule; and for pre- and post-recording on motion/event.

Server configuration at client

The Hybrid Extreme server can be configured remotely using client software and web access.

POS Interface with software engine

The Hybrid Extreme VMS, can capture and record POS transaction data. Transactions can be instantly reviewed (in Real-Time), including accessing individual transactions using a powerful search function. Event filtering allows the triggering of events when transactions match specified key words.

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Hybrid Extreme VMS

Hybrid Extreme - Video Management Software (VMS)

Designed especially for single-site and multi-site organizations, the Hybrid Extreme VMS provides powerful video monitoring, event management and archiving capabilities, delivered in a scalable, cost-effective package.

**All-In-One Support**

The Hybrid Extreme VMS supports HD-SDI cameras, analog cameras and IP cameras. Each camera can be individually configured for resolution, frame rate, recording mode (always, motion, event, key-frame or custom schedule to mixed) and storage location, to optimize your computing and storage resources.

**Unparalleled Access to Video**

Authorized users can access cameras across the IP video system via an array of video clients, included free with unlimited users. The user interface for the Hybrid Extreme VMS, delivers instant search during live monitoring, digital zoom, snapshot and multiple screens are also supported.

**Event monitoring and notifications**

Motion events or events incoming from external security systems like alarm input ports, can be accessed real-time for monitoring and to investigate within seconds via the remote client. The assigned user can also receive notification via e-mail.

**Exported video use as evidence**

Video, together with audio captured by camera-connected microphones, can be easily exported as an AVI file. Still image files can be saved or printed as reports for use as court evidence.

**Supports various formats for E-Map**

The E-Map can be set with background still images of the following formats: JPG, BMP, PNG, and GIF files. Web pages can also be used for special web site monitoring, or geographical maps for locations. Multiple maps can be shown in a view and cameras can be displayed to a channel window by simple drag-and-drop.

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Hybrid Extreme - Video Management Recording Software (VMS)

Features and Specifications

- Up to 64 total cameras in a single server combine HD-SDI, Analog (SD), IP cameras and video servers in an all in one solution
- Up to 16 HD-SDI cameras @ 1080p
- Up to 32 Analog cameras @ D1
- Up to 64 IP cameras or IP video servers
- Recording @ 1920 ips, Playback @ 1920 ips with 1080p (1920x1080)
- Hardware decoding with Intel HD Graphics technology

- Create up to 8 multi-viewing layouts with easy access to favorites.
- View Live and Search on dual monitors simultaneously
- Instant search during live monitoring and changeable Live and Search for an individual viewing
- Motion event, input trigger event, system status monitoring with Event monitoring
- Input port status, output port active and inactive control in live

- Capture current image at Live and Search
- Endless time with Timeline Search
- Easy quick search with Thumbnail
- Event Search by time and event type
- Video analysis with Smart Search
- Multiple-format export: report print, thumbnail and AVI file with watermark

- Accessible cameras, alarm input/output port directly from the E-map.
- Up to 20x Digital Zoom
- Language localization
- Utilize graphical user interface with simple pull-down menus and menu tree format
Features and Specifications

• Quick Bookmark: Bookmarked events are indexed to allow rapid searching using user defined name.

• User Identification logon password protected.
• Customizable user access authentication protection
• Simple or customizable recording schedule
• Set up multiple events for a single trigger event.
• Select a camera to start recording, send email notifications, and designate port control sequences for an single event trigger.

• Manageable PTZ and preset setting
• Redundant fail-safe rollover capabilities between primary and backup systems.
• Scheduled event alert and customizable action
• Log search for system and users event
• Unlimited live access by RTSP protocol (Up to hardware system capability)

• Hardware encoding for DVR board
• Dual stream remote live support for DVR board and IP Cameras
• Encrypt recorded data and watermark for archived still images.
• Customizable layout and sequence TV Spot output
• Backup and restore configuration is easy via the recovery setting

Minimum System Requirements
OS: Windows 7 Home 64bit
CPU: Intel Core i5, i7 Sandy Bridge or Ivy Bridge
Memory: 4GB
Hard Disk: 5GB free space
VGA: Intel HD graphics
Mother Board: Intel Z77 chipset
Network: Gigabit LAN

System requirements depend on the system’s camera count, frame rate and resolution. For complete, up-to-date recommendations, please visit our website.

Hybrid Extreme VMS
Mobile Applications

• Multiple remotely accessible - Web, CMS, and mobile phones.