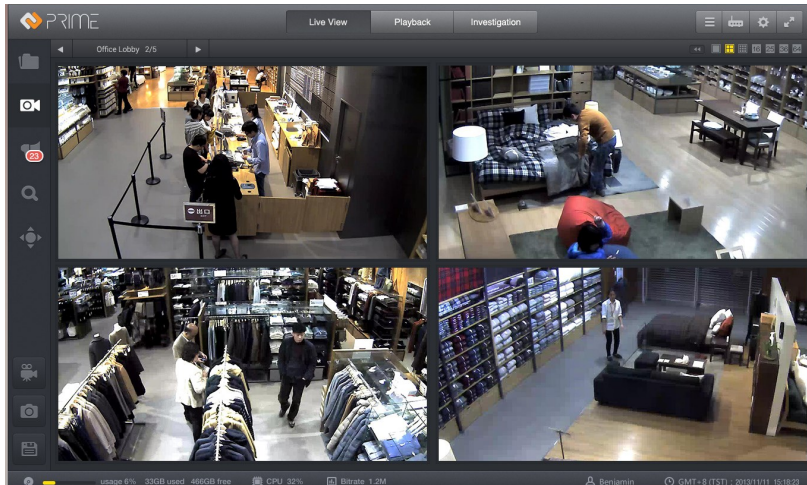# PRIME

NETWORK VIDEO RECORDER
PERFECT WAY TO MANAGE IP HD VIDEO

Highlights:

- *Supports multiple resolutions of IP cameras, include VGA, HD and Panoramic*

- *Comprehensive investigation tools to minimize your time in getting related video for review and export*

- *Flexible users authorization setup*

- *Calendar/Event browsing feature allows operator to have quick look on events*

- *Intuitive & unified client interface allows users to access video anytime/anywhere*

- *Dynamic bandwidth feature automatically transcoding video streams to fit your network environment*
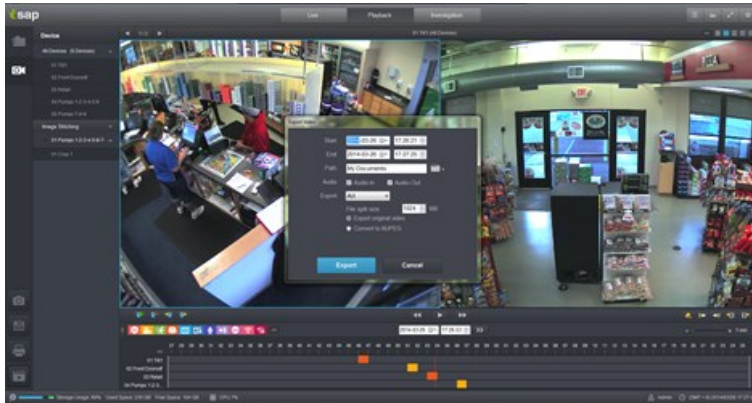
PRIME NVR 2.0 is the perfect solution for those seeking not just another NVR, but one that meets and exceeds the standard industry requirements and at the same time provides flexible vertical market solutions such as for retail and transportation.   Thanks to its exceptional integration capabilities, the NVR 2.0 integrates with various systems such as POS, EAS, RFID, People Counting Cameras, GPS, and many more.

NVR 2.0 is a very scalable video management platform that is suitable as an standalone video recorder, or multi-store and multi-location. Users are easily to view, playback and manage PRIME NVR 2.0 through local display, Smart Client software and choices of Browser (*Internet Explorer, Safari, Google Chrome, iOS browser and Android browser*), which becomes one of the most flexible Server-Client management NVR in the market.

The NVR supports multiple resolution IP cameras that are available in the market, also integrated with major brands* IP cameras in the market.

PRIME offers many vertical solutions that can seamlessly integrate with NVR 2.0 platform, such as Central Management System (CMS), Smart Retail Solution (SRS), POS Exceptions Management system, Smart Care Solution, etc., which aim to maximize customer's ROI with the easiest ways to manage your security systems.

* For the compatible IP camera models, please check with our manufacturer representatives
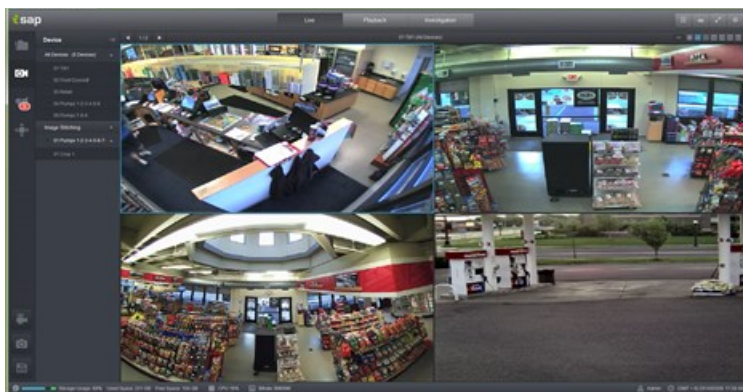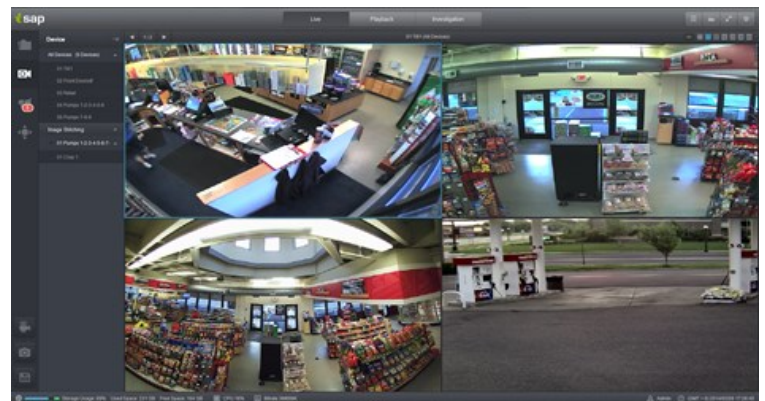
Comprehensive Investigation

- Instant Playback and event Playback directly in the Live section

- Up to 16-channels of Synchronized Playback

- Event Highlights on timeline

- Smart Search by thumbnails according to selectable Interval, IVS motion and events

- Event Search for multiple cameras

Smart View Management

- Save / delete views directly in the Live section

- Make views private or share them with users who have administrator's rights

- Stitch up to four cameras into one single image

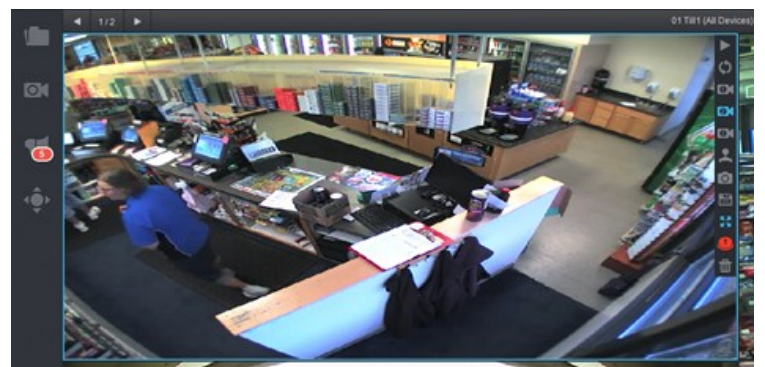- Crop stitched camera combos to create focused images

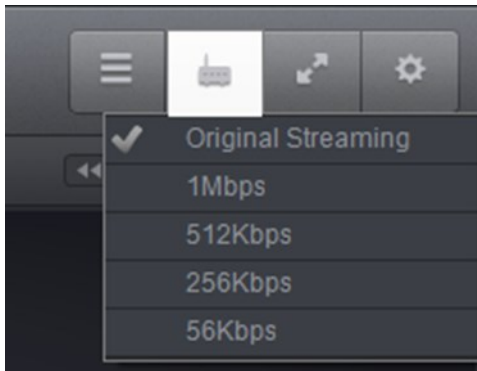## Intuitive & Unified User Interface Anywhere and Anytime

- Identical client interface for both Linux and Windows NVRs

- Identical client interface for both client software and browser client (IE)

- Simplified web client on all PC, tablet and smart phone platforms

Display-Optimization for Multiple Channels

- Manual or auto Camera-profile-switching on live view (High/Medium/Low Profiles)

- Decode only I-frames when number of live channels reaches user defined number

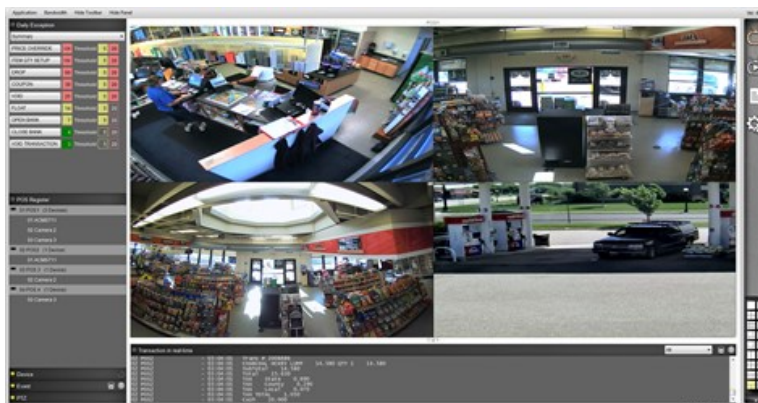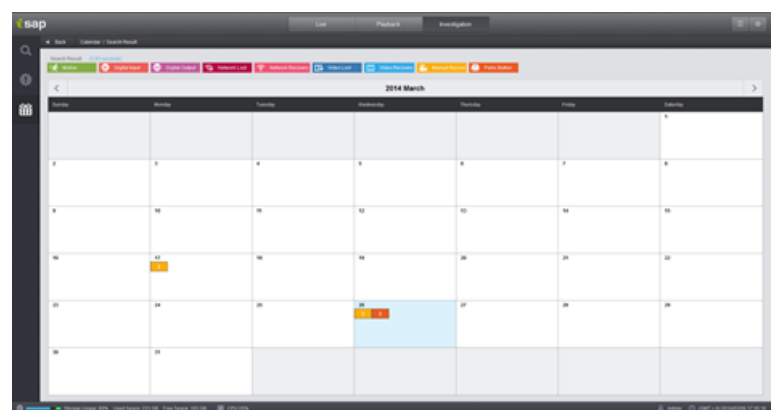- Auto-drop frames when CPU usage reaches user defined threshold

Dynamic Bandwidth Management

- NVR server transcodes videos streams into smaller resolutions for Live and Playback to keep the total bitrate under the user selected bitrate limit

- No camera setting re-configuration required

Quick Event Browsing by a Glance

- Investigation by browsing over Event Calendar

- Each event type shown with daily total count and a unique color

- 1-Click to see full listing of each event type for all cameras in a day

Retail Solution Integration

- POS system integration for video-based loss prevention

- People Counting camera integration, analysis and reporting

- Security system integration with EAS, IO Box, OPC and RFID

Transportation Solution Integration

- Vehicle Tracking by integration with 3rd party map and GPS antenna

- Vehicle self-diagnosis system integration through standard interfaces, OBD and OBD-II

PRIME NVR SPECIFICATION

System

System Security	Only authorized users have windows access Password protection for NVR management
Resume Previous Display Mode After Abnormal Exit	Resumes client display after abnormal shutdown (for unattended stations)
Protocol	One HTTP port only Network protocols: HTTP, HTTPS, RTSP, TCP Open standard: ONVIF
Clients	Supports Windows Smart Client, iOS App, Android App, IE, Safari, and Google Chrome
Third Party Integration	POS Integration & Retail Solution People Counting Camera Integration People Counting Analysis & Reporting Transportation Management integration Automobile safety control integration.
CPU Protection	User-defined CPU usage upper boundary Auto drop frame when CPU usage reaches the upper boundary

Live View

Views	User-defined view: user chooses the cameras they want to show and how they are arranged User-based layout: users could save their own layout and camera assignment Shared or public view: The saved layout has a choice of private or shared
Enhanced Video Information	Video details per channel and overall bitrate display
Logical Panic Button Support	Event-triggered action within software
Camera ROI On-the-fly	ROI support on all video channels on-the-fly
On-screen PTZ	On-video PTZ control. PTZ control panel with focus control
Preset Control	Go to preset points Go to preset tour
Display Optimization for Multiple Channels	Up to 6 video stream profiles Selection Pre-defined high/mid/low video profile regarding the number of live view channels
Video Panel	Instant playback Two-way audio Save image and snapshot Manual record
Event Panel	Camera alerts of network lost/recovery, video lost/recover, motion detection, DI/O NVR alerts of Panic Button and manual record

PRIME NVR SPECIFICATION

Playback & Recording

Brightness Control on Video	Brightness adjustment for video review
Synchronized Video Playback	Up to 16 channels synchronized playback
Multiple Speed Playback	Up to 8X speed playback
High Speed Video Export	AVI video export
	Raw video export
	Auto resume on failed export
Controlled Video Recycling	Forced video recycling by days per channel
Watermark	All exported images and video files are protected with watermark
Flexible recording storage management	Virtual file distribution system.
	Housekeeper by keep space or keep days per channel
Camera ROI On-the-fly	ROI support on all video playback on-the-fly
Evidence Tracking	Support video bookmarking and bookmark browsing for evidence tracking for
Video Panel	Save image and snapshot

Investigation

Event Indication on Timeline	Color-coded event indication on timeline
	Audio track on timeline
Multi-camera event search	Search events of multiple cameras
Event Reporting	Save event report of the matched event items

Investigation (con't)

Calendar View	Color-coded event indication on monthly view
	Monthly event summary of selected cameras
Post Processing MD	Support up to 5 ROI regions of post processing motion detection
	Support thumbnail listing of the search result

Remote Investigation under Limited Bandwidth

Dynamic Bandwidth Management	Auto transcoding based on selected bandwidth.
Remote Clients	iOS App, Android App, IE, Safari, Google Chrome
Simplified Web Client on ALL Platforms	Use any web browser on any platforms for quick video review

Setup

Multiple Camera Profiles for Live & Recording	Selection of different streams for Live and Recording
Camera Stitching & Video Cropping	Stitch 2 to 4 cameras into one view
	Up to 5 cropped video as sub-channels
Recording Schedule	Flexible recording schedule per channel
Camera Auto Discovery	Per vendor support
	ONVIF auto discovery support