SecuX VMS Introduction

SmartcityKorea Inc.

01

SecuX VMS

01. SecuX VMS

SecuX VMS Main Features

Next Generation VMS SecuX Based on Web Broker

Responsible for security with flexible openness and strong 3rd integrated

CCTV Camera
Multi-Vander camera / Infinitive camera connection

Fail-Over Service Support
Master fail-over / Archiving Server fail-over service supporting

Multi OS Support
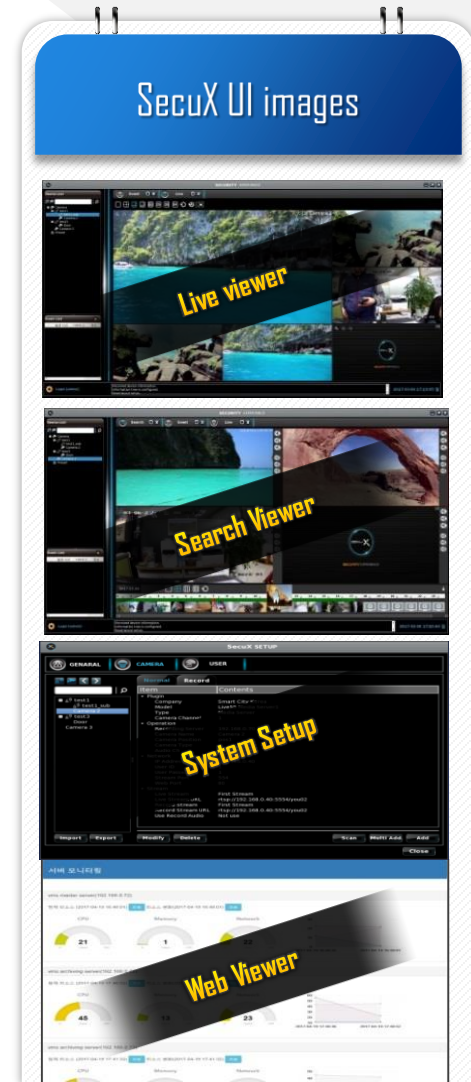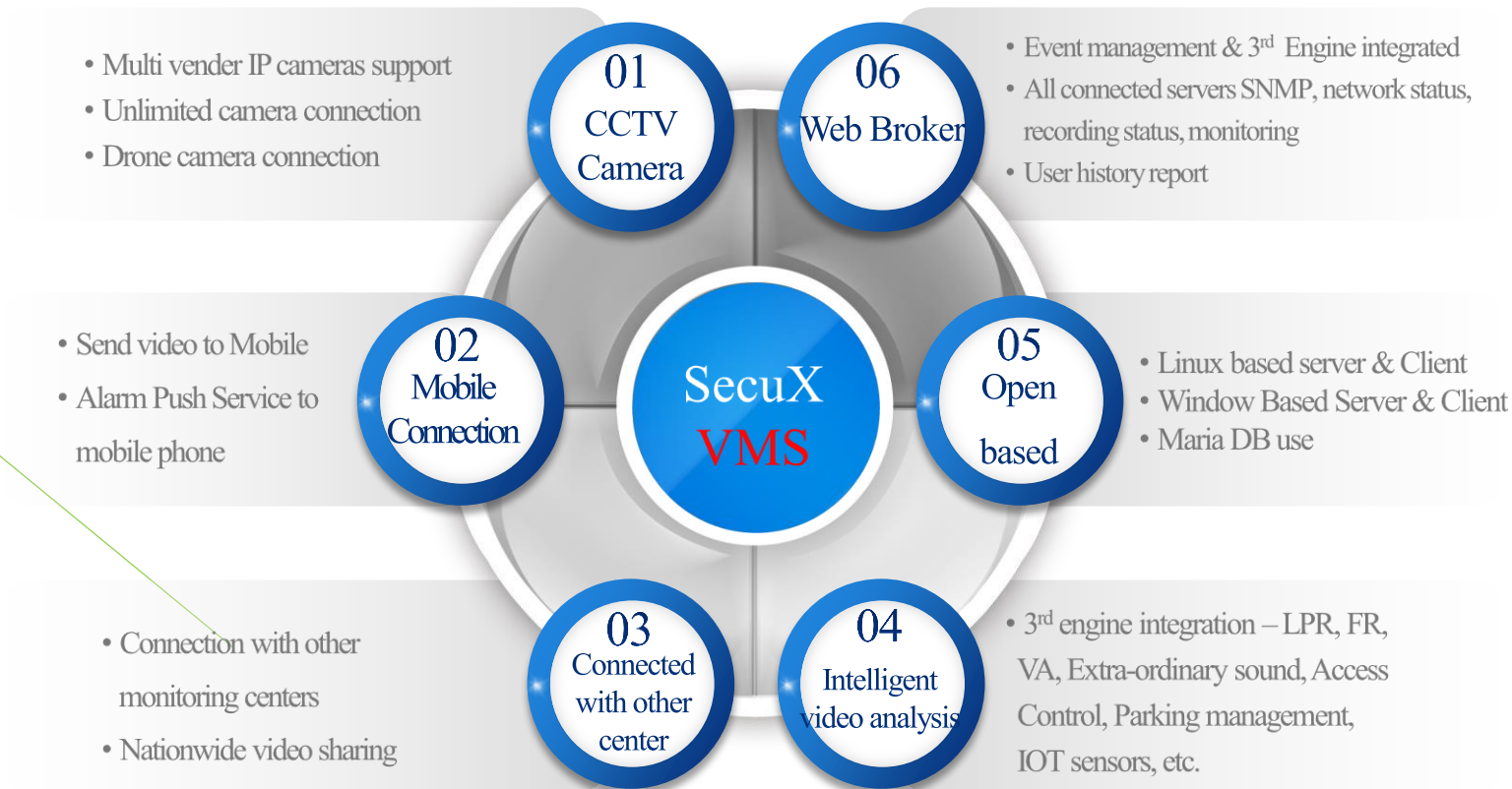Linux Server & Client / Window Server & Client / Linux & Window Mixing

Web Management Viewer
Server setup & Status on the Web / Archiving status Monitoring on the Web

1. Multi floating window support – Using search viewer with Live viewer at same time
2. Multi partial zoom for live video with multi new live windows
3. Various events management and integration handle
4. Quick search with Thumbnail image
5. Live video windows on the E-Map
6. Powerful user log history searching list support
7. Effective integrated with VCA, People counting, FR, LPR, etc. 3rd engine servers
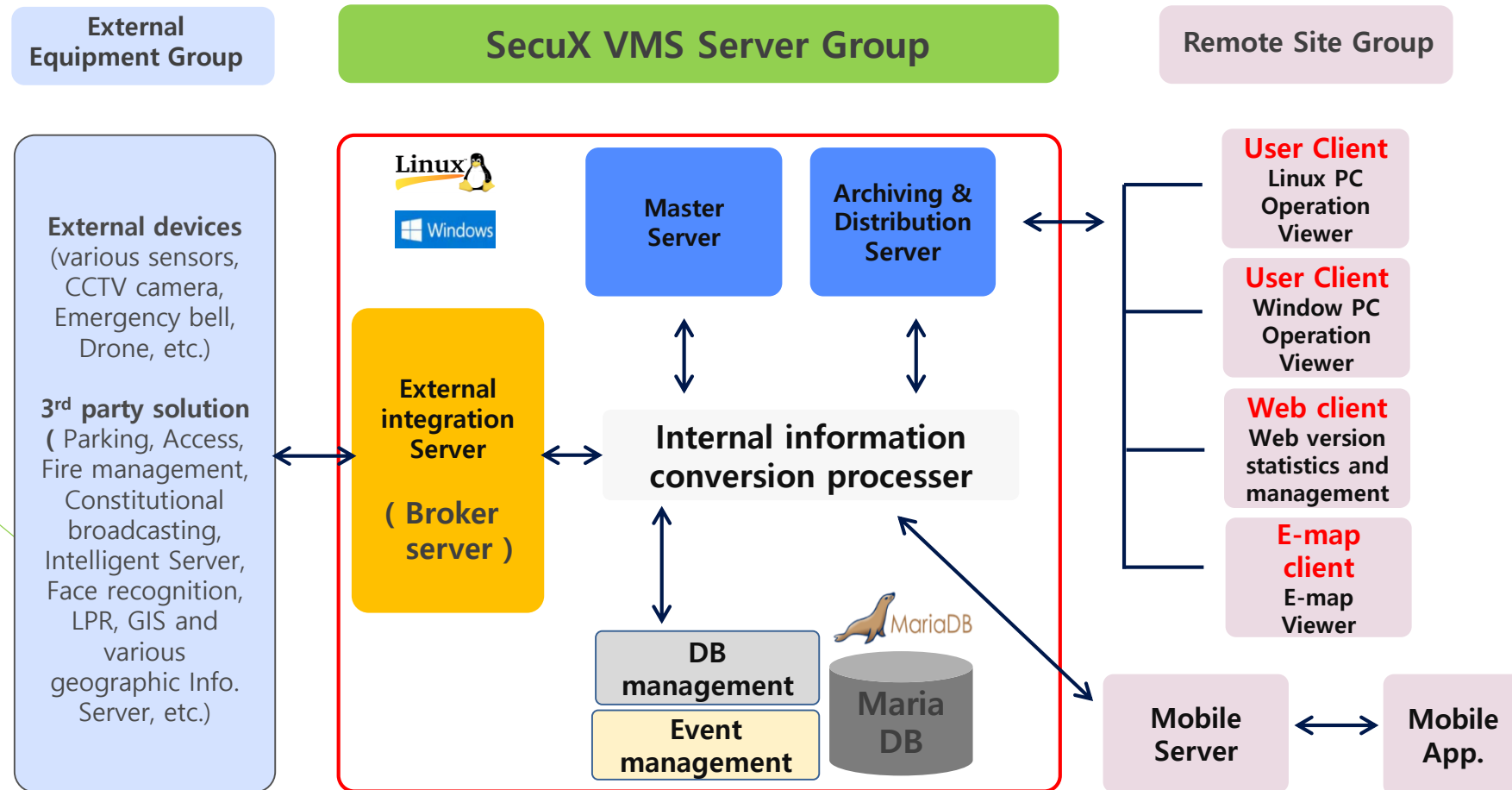
01. SecuX VMS

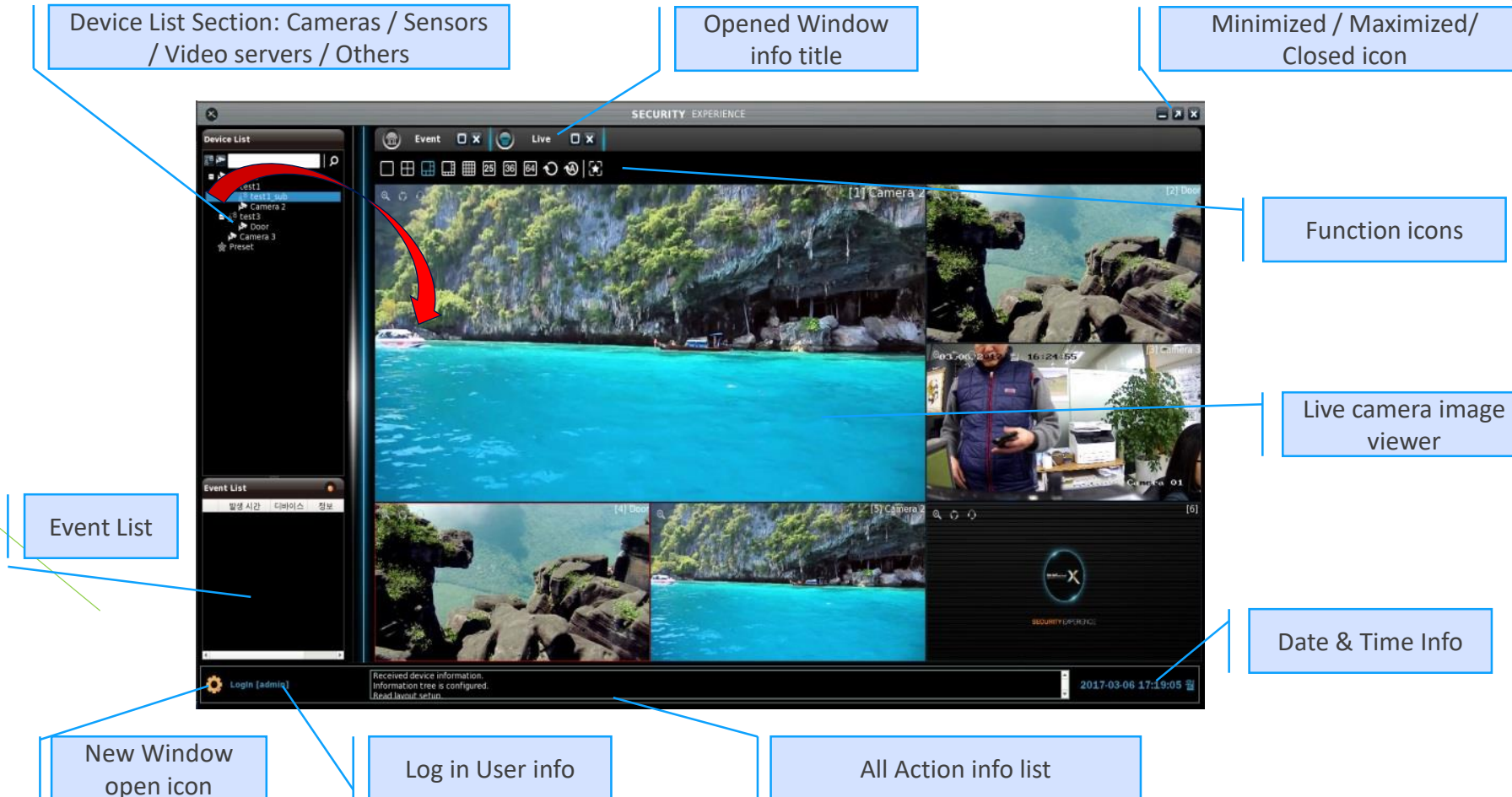## SecuX VMS Main Merits

• Multi vender IP cameras support
• Unlimited camera connection
• Drone camera connection

01
CCTV Camera

06
Web Broker

• Event management & 3rd Engine integrated
• All connected servers SNMP, network status, recording status, monitoring
• User history report

• Send video to Mobile
• Alarm Push Service to mobile phone

02
Mobile Connection

SecuX VMS

05
Open based

• Linux based server & Client
• Window Based Server & Client
• Maria DB use

• Connection with other monitoring centers
• Nationwide video sharing

03
Connected with other center

04
Intelligent video analysis

• 3rd engine integration – LPR, FR, VA, Extra-ordinary sound, Access Control, Parking management, IOT sensors, etc.

SecuX UI images

Live viewer

Search Viewer

System Setup

Web Viewer

01. SecuX VMS

SecuX VMS Component Server Modules

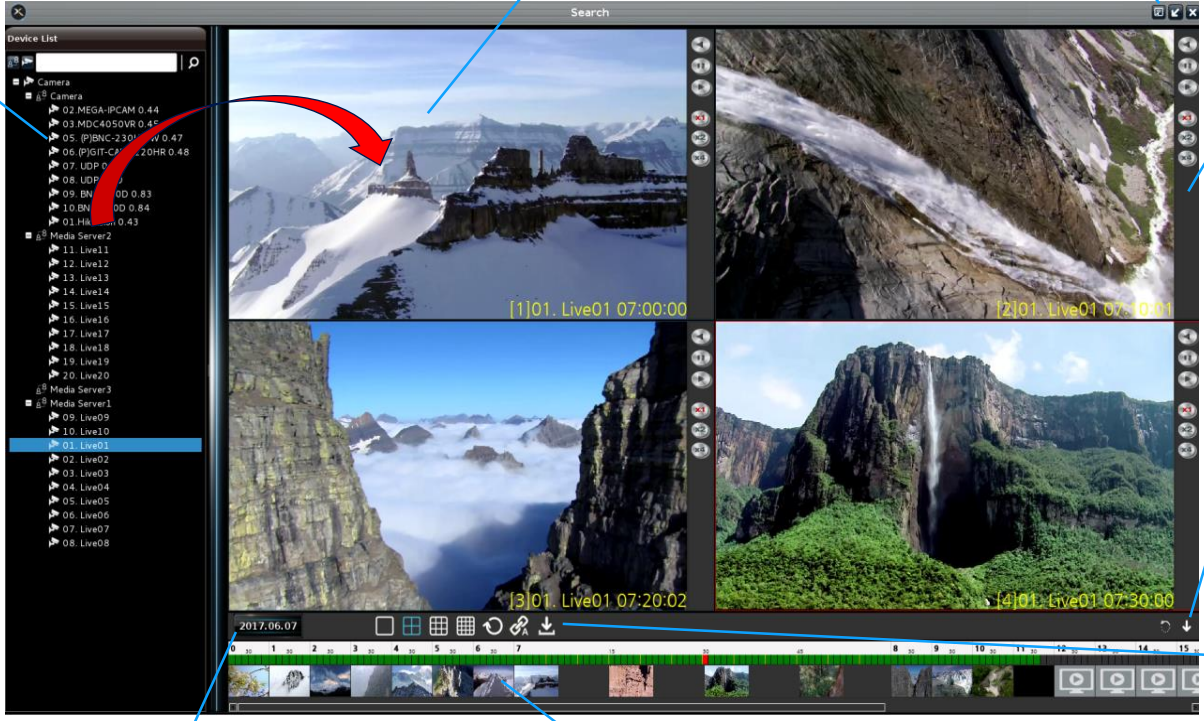| Component Module	Function details
Operating management server **(Master Server)**	User information, Camera Information, Server cluster configuration
Archiving & Distribution Server	Video Archive, Video distribution
Integrated Link server (Web based **BROKER Server**)	Event handling, Server Setup, Recording status monitoring
	Heterogeneous solution (3rd Engines) interworking (GIS, Parking Management, Access control, Power Management, Fire situation receiver, PA, Broadcasting transmission, etc.)
Viewer Server **(Client Server)**	Live Video monitoring, Searching stored video, back-up, event pop-up, PTZ control, various control and setting.
E-map Server	Image map viewer, Multi-map support, Live camera monitoring, Events popup and list, IOT Sensor integrated, Map Generator support, etc.
Mobile Service Server & App.	Transcoding server to Mobile phone, Live video monitoring, Playback search, event alarm push, PTZ control, etc.

SecuX VMS Basic Data Flow Diagram

01. SecuX VMS

SecuX VMS Client Viewer - Main Functions

Device List Section: Cameras / Sensors / Video servers / Others

Opened Window info title

Minimized / Maximized/ Closed icon

Function icons

Live camera image viewer

Event List

Date & Time Info

New Window open icon

Log in User info

All Action info list

SecuX VMS Client Viewer - Search Functions

Device List Section; Cameras / Sensors / Video servers / Others

Opened camera for playback

Minimized / Maximized/ Closed icon

Function icons for playback
(Revise playback/ Stop/ Play/2 times/ 4 times)

Hide Thumb nail / reload

Function icons
(Screen division / Nest page / Link control / Backup)

Calendar

Thumb nail images for quick search

01. SecuX VMS

SecuX VMS Client Viewer – Setup / Web monitoring

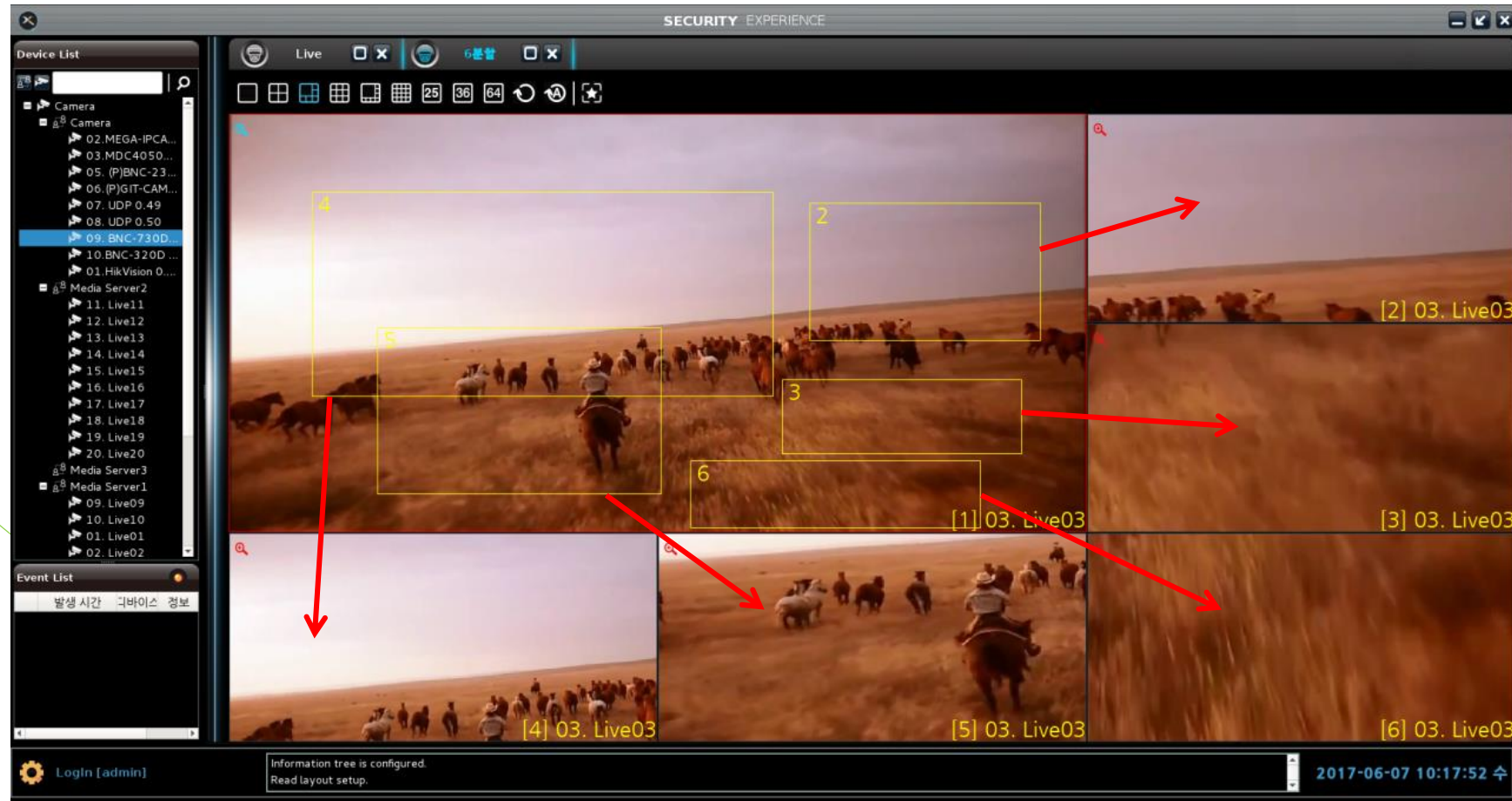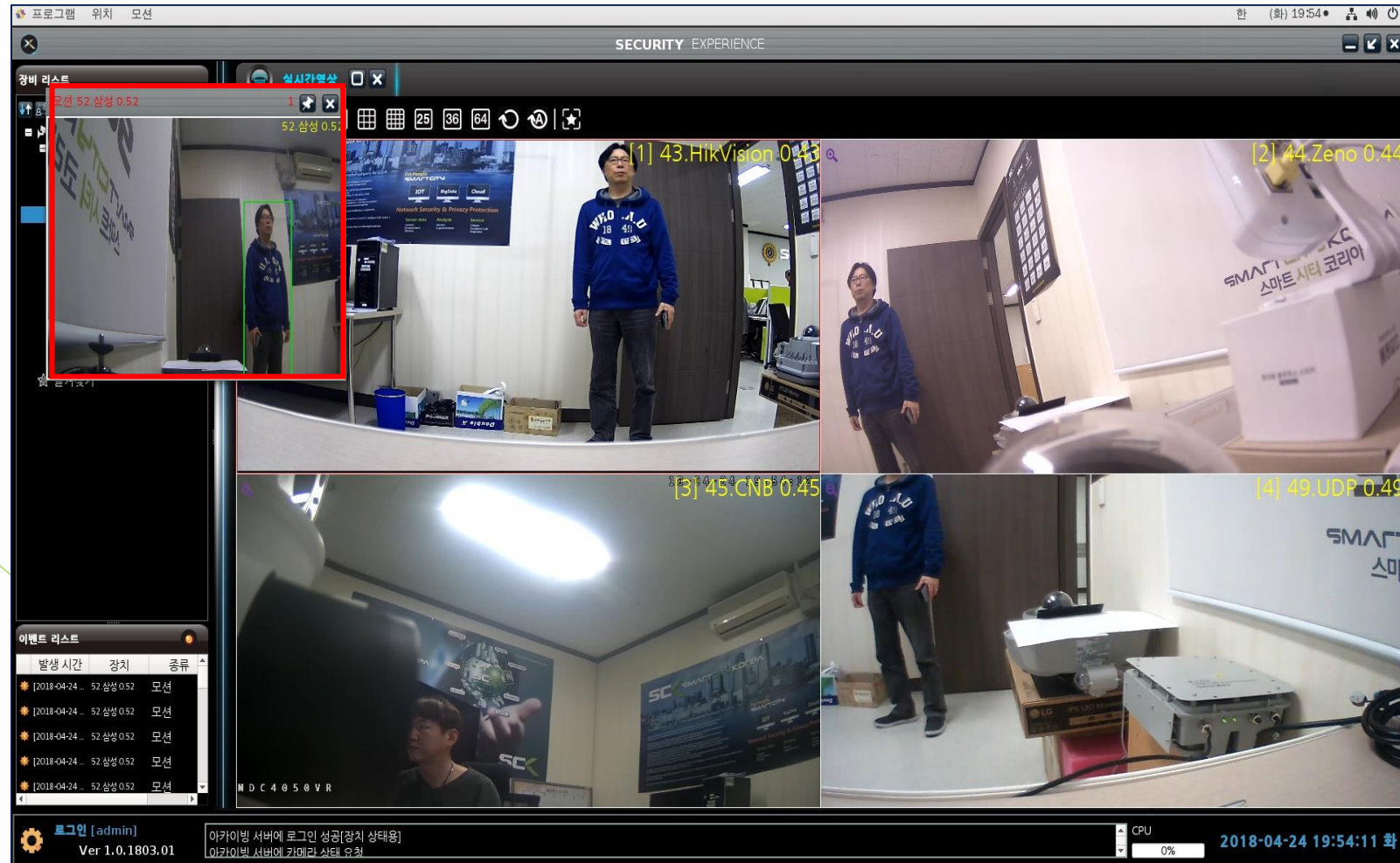**General/ Camera / User setup page**
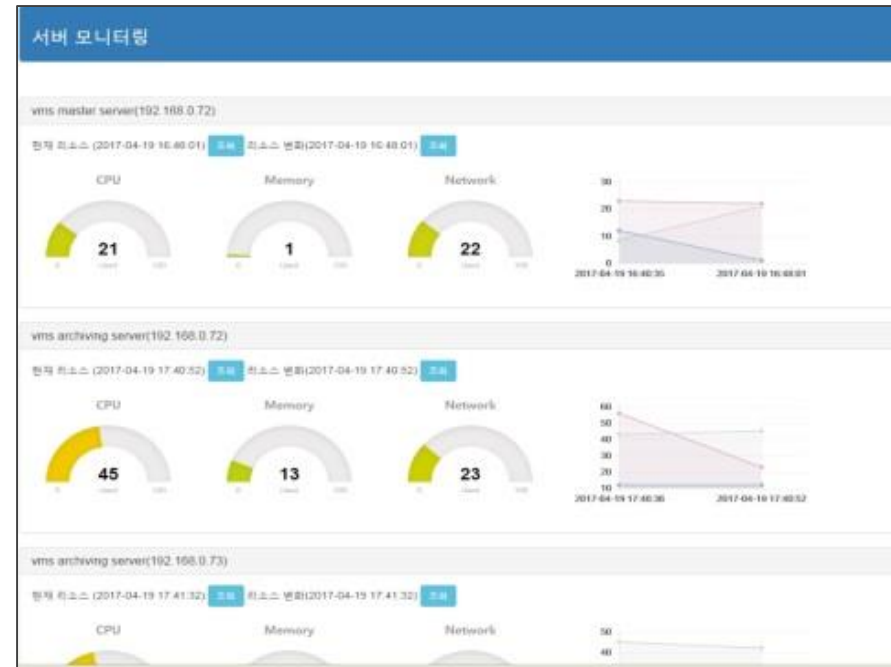
Web monitoring page for all status

SecuX VMS Client Viewer – Live image multi partial zone viewer function
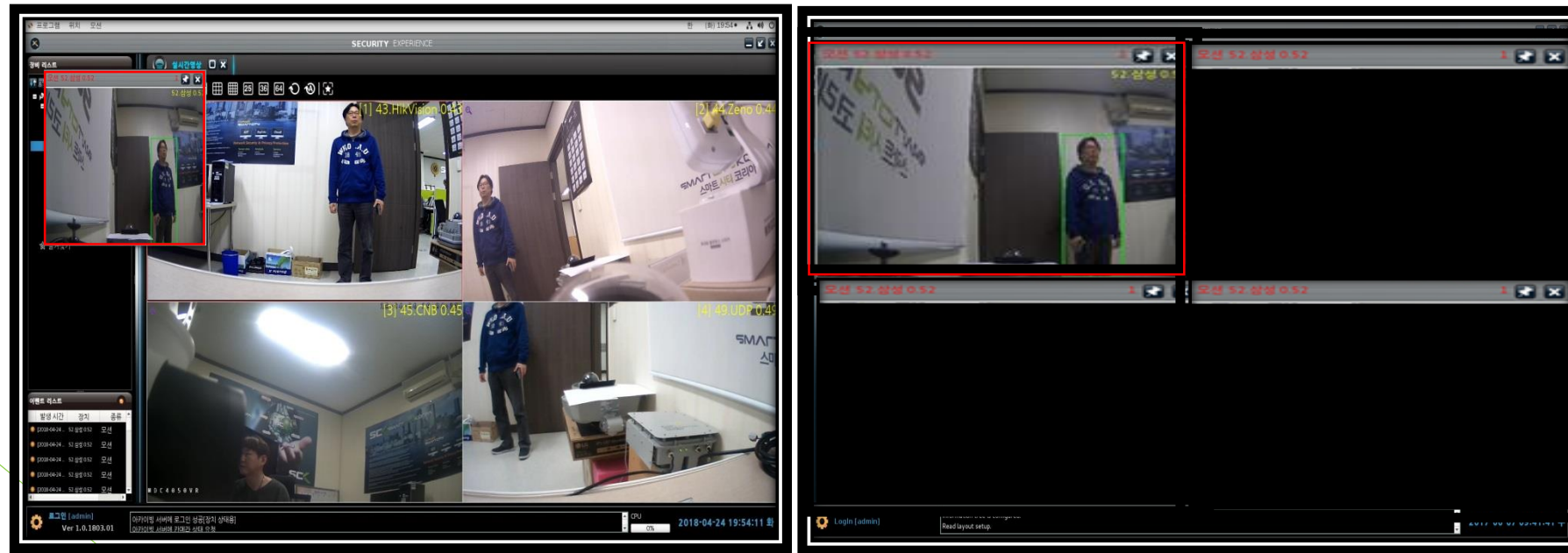
SecuX VMS Client Viewer – Event Pop-up with motion or VCA

01. SecuX VMS

SecuX VMS Client Viewer – Event pop-up with 2 monitors
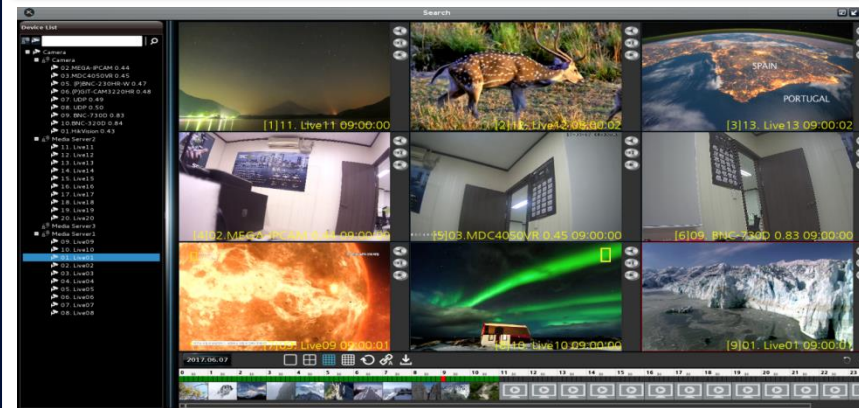

Main Viewer Monitor 1

4ch Event Viewer Monitor 2

SecuX VMS Client Viewer – Search Playback special functions
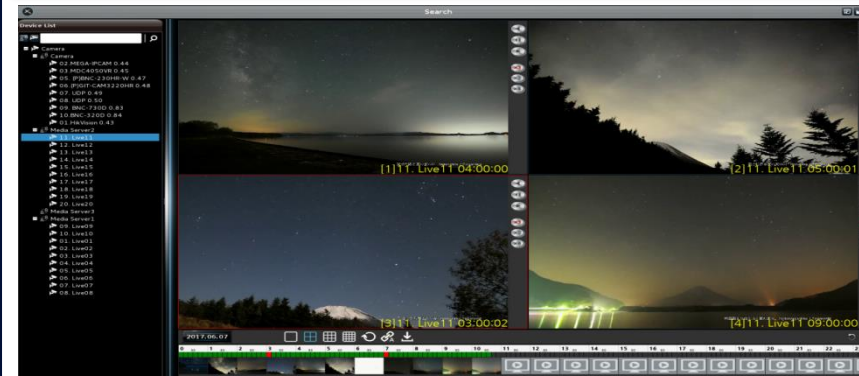

The different cameras in different time zone
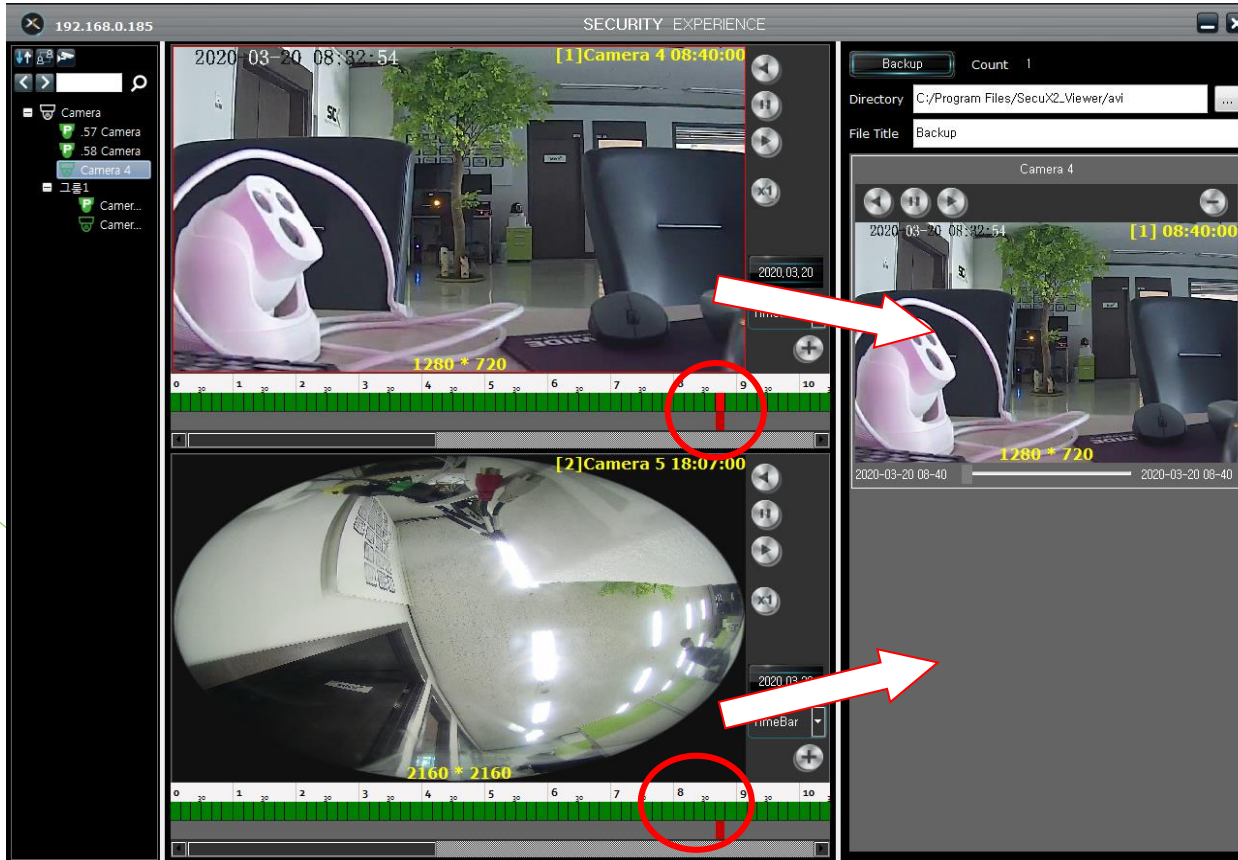

The different cameras in same time zone

The Same camera in different time zone – 9 splits

The same camera in different time zone – 4 splits

01. SecuX VMS

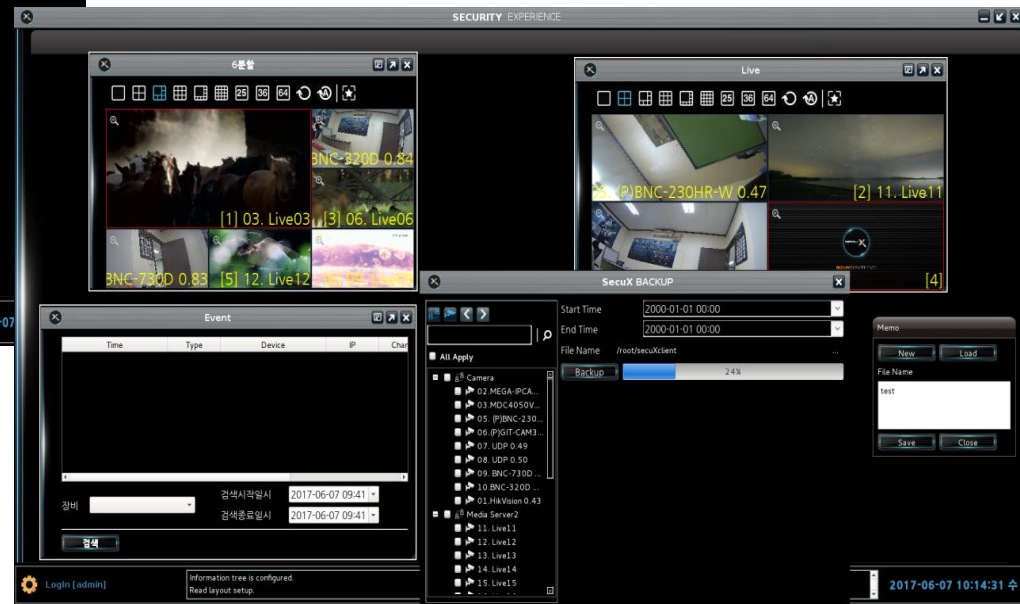## SecuX VMS Client Viewer – Stitch Backup functions

Multi channel recorded data backup with one file. Select certain cameras backup data and stitch them as a one backup file.

SecuX VMS Client Viewer – Dash board type multi viewers function
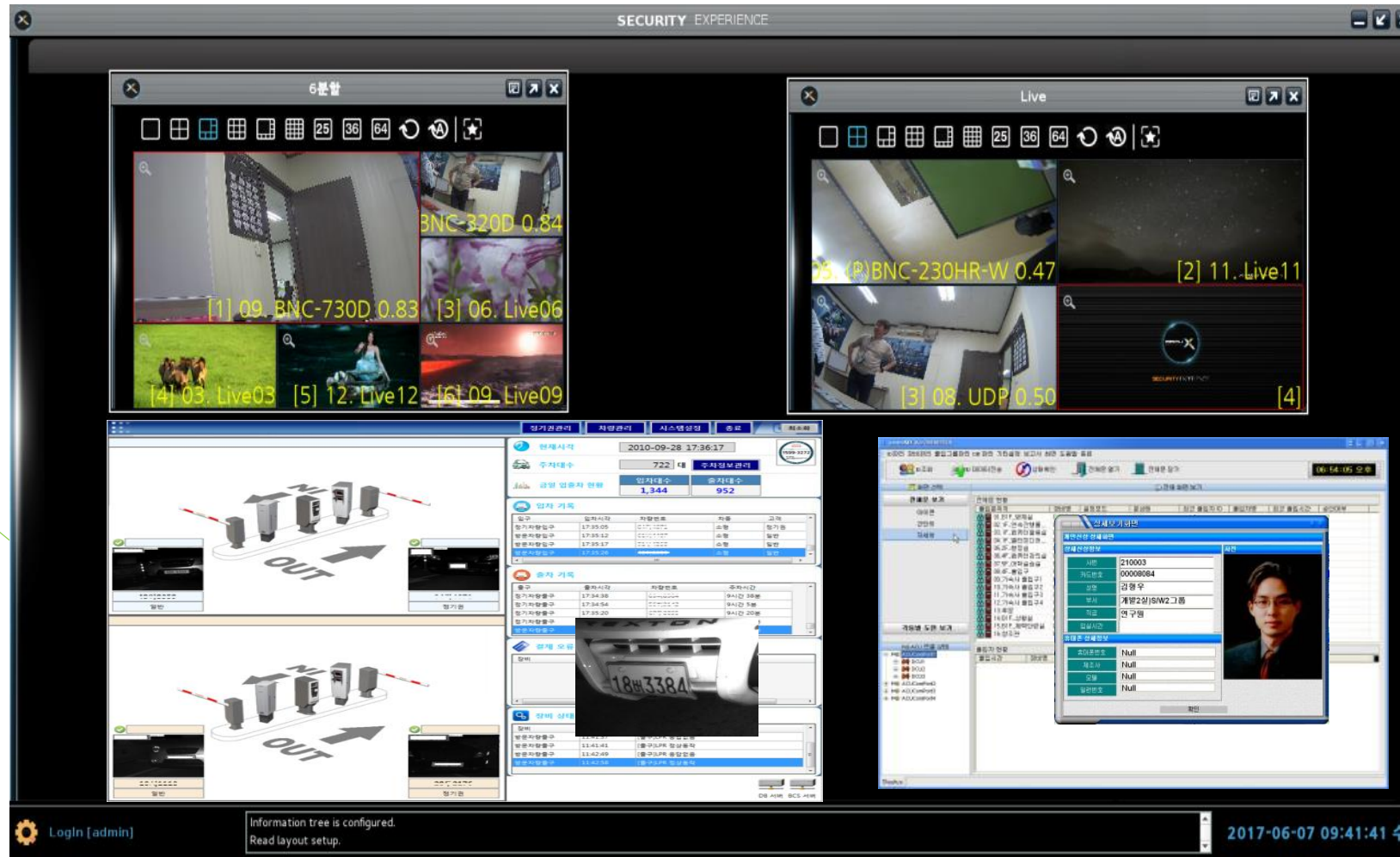

Open multi window and monitoring and control with one monitor. Using it like as total data dash board.

Multi floating window possible.
All windows can be re-sized freely to easy display.
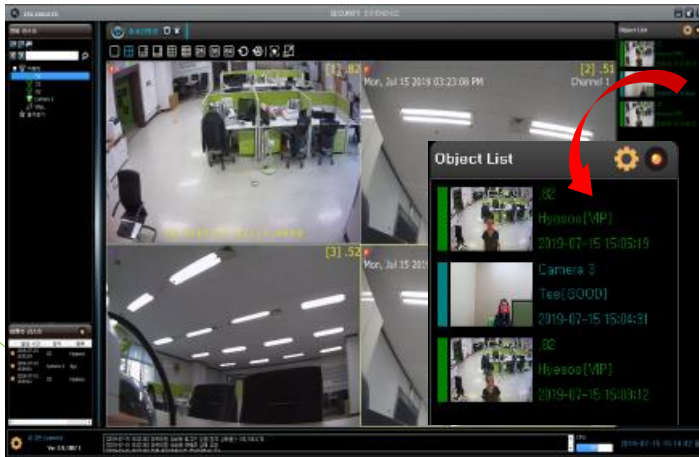
01. SecuX VMS

SecuX VMS Client Viewer – Dash board type multi viewers function

01. SecuX VMS

SecuX VMS Client Viewer – 3rd Engine integrated Viewer

Integrated 3rd Engines (FR/LPR/VA) – Applied the Object list and special search viewer supported
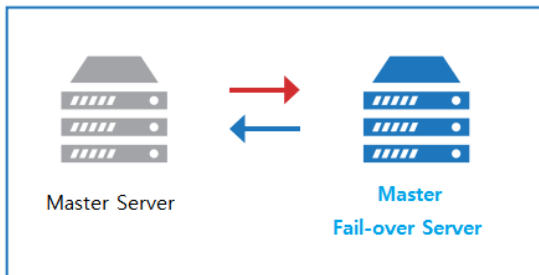

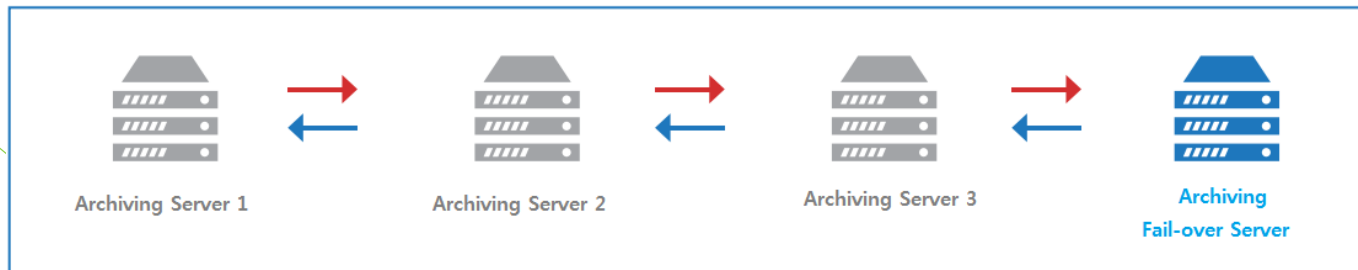
FR VIEWER

LPR VIEWER

VA VIEWER

01. SecuX VMS

SecuX VMS System – Fail-over functions

Master Fail-over | It is the same as the master server program and includes a redundant function that can be switched over when a problem occurs on the master server.

Master Server → Master Fail-over Server

- Only one master failover server is required regardless of the number of channels.
- It is composed 1:1 with the master server.

Archiving Fail-over | It is the same as the archiving server program and includes a redundant function that can be switched over when an archiving server problem occurs.

Archiving Server 1 → Archiving Server 2 → Archiving Server 3 → Archiving Fail-over Server

- Archiving Failover Server is based on the number of archiving servers. Regardless, only one can be used.
- It is composed of 1:1 or 1:N with the archiving server.

02

SecuX VMS E-map

02. SecuX E-map

SecuX E-map Main Features

VMS SecuX E-map Viewer

Responsible for security with flexible openness and strong 3rd integrated

CCTV Camera
Live monitoring / Location information on the map as an icon

Event Handling
Event Pop-up / Event List

Multi map Support
Multi-map registering / Link map support / Map Generator

IOT Sensor Integrated
Sensor integrated / Fence Integrated

SecuX E-Map

SECURITY EXPERIENCE

SecuX E-Map is an extra software with SecuX VMS to live monitor the connected IP cameras, and its status with E-map (png file). This software is integrated with SecuX VMS, and takes video and other information from the SecuX VMS. User needs to prepare for map images (png file) to use it. User can display camera icons on the map with map generation tool. Using this software, user can easily understand where the CCTV camera is, and what happen in there, because E-map shows the location of the cameras.

02. SecuX E-map

SecuX E-map Client Viewer
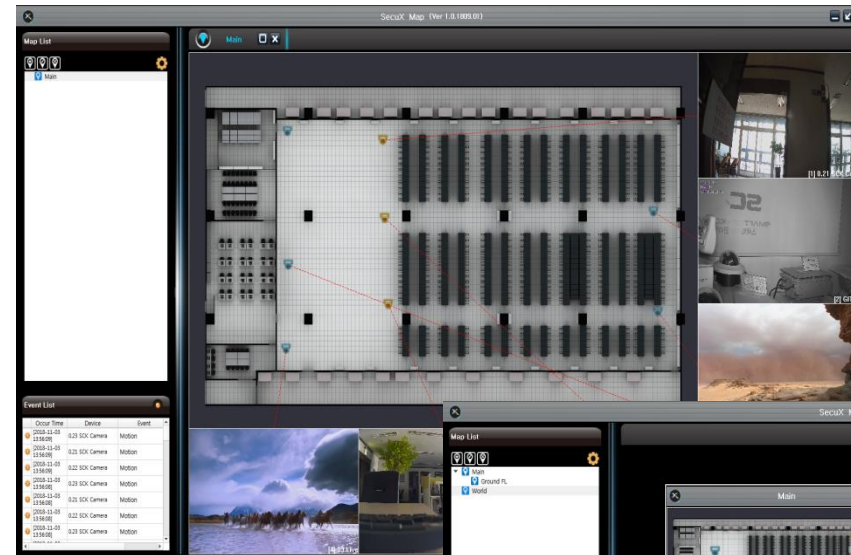
**Multi floating window possible.
All windows can be re-sized freely to easy display.**

03

SecuX VMS - M

03. SecuX Mobile App.

SecuX Mobile App. Main Features

VMS SecuX Mobile App.

CCTV Camera
Live monitoring (1~4ch) / 1ch Search playback

PTZ Control
PTZ camera control on the 1ch viewer

Event Push Service
Alarm push service / Auto live camera open Link

SecuX-m is an mobile phone application used to CCTV camera live monitor and search the saved video from SecuX VMS and SecuX NVR. When various events occur, event alarms are received, the video can be immediately monitored and searched through a mobile phone, and PTZ cameras can be controlled.

03. SecuX Mobile

SecuX Mobile App.

VMS SecuX Mobile App.

| Event Receive & Live & Search Viewer	PTZ Control	Log-in / Live & Search	Menu

User can view up to 4 channels of Live video, easily change to a 1-channel viewer by touching the screen, and have a Quick Live camera selection function, and through the Alarm Push server, you can receive events and activate the video viewing window. User can search for saved video based on 1 channel.

Pan / Tilt / Zoom control of PTZ camera live video in 1 channel is possible through On-Screen PTZ controller icons.
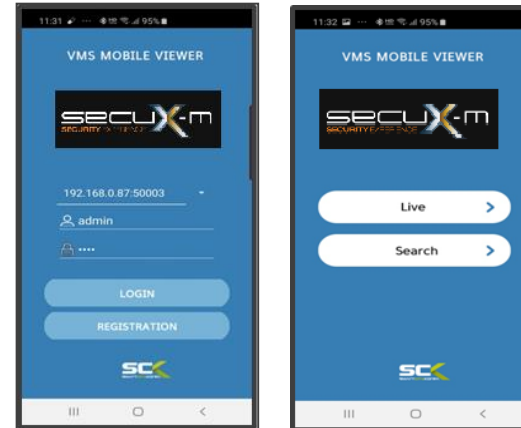
Multi-site log-in through selecting IP Selectable live & search function

1 channel live viewer & Camera list selection

04

SecuX VMS – Reference Site

04. SecuX VMS Reference Site

SecuX VMS Major reference Sites

XX Special Forces Brigade(Airborne) Military Camp : Fence sensor/ In&Out side IP cameras 385ch

SK hynix Semiconductor factory In&Out side Security Cameras 624ch

Incheon Bridge Monitoring Cameras 84ch

20 elementary Schools in Jeollanamdo with 16ch NVR

Philippines Rosario City government CCTV Monitoring Center 102ch
XX Mall shopping center at Rockwell in Makati city 208ch
Ayala Group Condominium 3 towers Monitoring center 182ch

04. SecuX VMS Reference Site

SecuX VMS **Major reference Sites**

KT Underground Utility Tunnel Monitoring Center : IP camera and Thermal Camera and Sensors

Green IT Korea Parking Management Place, and ITS site monitoring Center with LPR Cameras

Smart Street Lighting Camera Monitoring Center

XX Building Monitoring Center with Access Control System integration

Japan SECOM with128/256 VMS with Mobile Viewer

32 Kindergartens in Siheung city with thermal cameras

Thank You.

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