Smart Backend Solution

What is "Smart Backend Solution" ?

Simply, it is backend solution for FlexWATCH system.

Smart Backend Solution is the whole package IP surveillance solution which comprises all of the features including all software and hardware provided by Flexwatch, offering complete management for small-to-mid sized video management applications and of course expandability to larger scaled.

Smart Backend Solution has been built up with the history of FlexWATCH over 17 years with the purpose of preserving the client's investment, maintaining all of the features of previous versions, uniting them with new, exclusive features, as well as providing greater scalability for future expansion features.

With FlexWATCH and its Smart Backend Solution you'll have the market's best solution for IP monitoring of cameras and alarms, with intuitive tuning and easy comprehension.

The simple Server, Application, Client and Sub-client architecture allows multi-tasking without CMS (Central Management System).

Composition of Smart Backend Solution

•Recording Server

Recording server includes Smart NVR, web-based software NVR, and Linux Embedded NVR (only R2 series is supported as recording server).

The key feature of FlexWATCH recording server is that it works as extremely high performance re-distribution server. The strong point in re-distribution comes from distributing multiple streams from IP camera or NVS/NVR while getting only single stream from those devices. Thus, ensuring maintenance of high-quality performance.

FlexWATCH recording server can be used as NVR or relay server, which allows users to form cascade network design. In other words, Smart NVR registered in Smart NVR, Embedded NVR registered in Embedded NVR and cross-wise.

•Client

FlexWATCH also provides client program, Smart Client.

Even without CMS, Smart Client can be greatly powerful feature. Whole NVR or selected channels from NVR can be registered. Of course, each separate IP Camera, NVS can also be registered. Unlimited number of channels can be registered in 1 Smart client.

Client Viewer is one of the main function of Smart Client. It is identical to Smart Viewer in web browsers. User is able to view images live from different sources of FlexWATCH IP devices.

Client Player is another main function. Also identical to Smart Player in web browsers. Smart Client does not have recording function, but it remote playback recorded files from recording server, even from Micro SD card in IP Cameras.

Last but not least, Matrix Controller is another powerful feature of Smart client. Smart Client does not relay images but allocates video display to sub-client PCs where Matrix Viewer is installed.

•Application

Smart Alarm and Smart Map is application software for Smart NVR.

•Utility

IP Installer is key utility for all FlexWATCH solutions.

Scalable 16, 32, 64, 128 Channel to unlimited system solution

**Proxy Server
With Smart NVR**

64 Channel basis

• Recording Server

Software NVR
16~128 Channel Smart NVR

• Recording Server

Embedded NVR
FWR2xx, FWR3xx, FWR5xx
16~ 64 Channel

• Display Server : coming soon!

Embedded Decoder
16 Channel wise display

• CMS

Central Management
Unlimited # of Channel
Controllability
Smart Multi-Viewer/Player
Smart CMS
Smart Client
Smart Alarm
Smart Map
Smart VA