

# FlexWATCH Core Competency

## Powerful Streaming Engine

FlexWATCH have powerful streaming engine, called Mirror Engine, which enables high streaming performance with stable and reliable streaming with shortest latency.

Low latency is one of the key feature in Network Surveillance in many reasons. The biggest advantage is shown while installing camera as it reduces lots of installation burden. When using speed dome camera which needs to be operated often for PTZ (Pan, Tilt, Zoom) functions, latency is again very important.

## Unified Communication

Bi-directional communication over single HTTP port is another core competency of FlexWATCH. All Tx Rx streams including video streaming, command & control and playback uses single HTTP port only.

The benefit goes back to users, where users do not need to remember port number for multiple use. Especially in corporate network where opening a port more for each device is strictly controlled. Another benefit goes to developers, who develop software with FlexWATCH devices or integrate FlexWATCH device into their system.

Bi-directional request-response over HTTP session allows optimized latency.

## Query Control Mechanism

Combinational Query Control of FlexWATCH system provides uncountable service conditions and multiple concurrent services while maintaining low computing power.

Power of this feature is hi-lighted in service conditions and user authentications. Various combination of conditions/permissions are possible for flexible use. The benefit goes back to users, where users do not need to remember port number for multiple use. The strongest point of this query control mechanism is shown as FlexWATCH takes different User Interface, different software architecture, different performance and different service scenario comparing to equivalence shown in many other devices.

## Modular Architecture

All FlexWATCH system, which includes all from H/W devices to S/W, is in form of component basis modular architecture.

This is why all FlexWATCH system have identical user interface and single SDK regardless of platforms and time.

## Value-Added Features

FlexWATCH also provides some value-added features which enhances usage of FlexWATCH system to higher level.

Micro SD recording, unlike ordinary use, is just like NVR in IP Camera. Forced recording, instant playback, smart search through PC and mobile devices just like NVR is provided. There is no need to pull out Micro SD card for playback. (For IP cameras that support Micro SD slot only)

Bandwidth adaptive streaming allows FlexWATCH device to determine network streaming and adapts its performance to actual bandwidth available regardless of using CBR (Constant Bit Rate) or VBR (Variable Bit Rate).

Motorized Auto Focus function in IP camera allows users to control zoom and focus online even when not using PTZ cameras. (For IP cameras that supports Motorized Auto Focus only)

Video Enhancement and Video Analytic functions are also available in FlexWATCH. This will hence add value not only to surveillance system, but eventually to properties itself. (For IP cameras that supports specific Video Enhancement or Video Analytics only)

Add-on Package is available. FlexWATCH provides FES (FlexWATCH Extra System) which can be added to FlexWATCH devices and system for POS,

ATM, Serial device interface use. (For systems that have already been integrated to FlexWATCH only)