



Mirasys VMS Integration

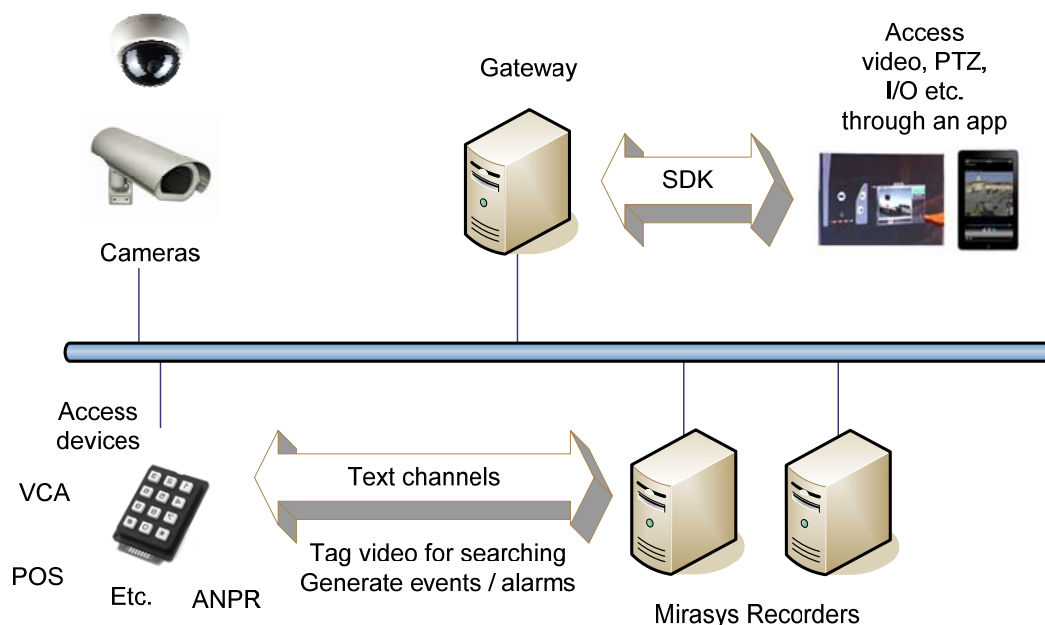
Datasheet, August 2013

Easy Integration to Third-Party Solutions and Plugins

Mirasys Video Management System is a feature rich video surveillance solution that scales easily to suit the needs of businesses of all sizes. In addition to the built-in features and functions, it provides a wealth of integration options making it easy and fast to integrate with other systems – such as access control, fire alarm, point-of-sales, video analytics and various other business application solutions.

Features

- **Extremely open** – Allows 3rd party applications to control, communicate, and exchange data with the Mirasys VMS
- **Flexible** – Supports various communication options and message formats; highly configurable text channels make it easy to integrate data feeds
- **Configurable** – Features rich Software Development Kit (SDK) for application developers; available for C# and Java programming languages
- **Scalable** – Usable in Mirasys VMS systems of any size





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Features

Simple text channels are added to the recorders by the administrator, and the data received through them is recorded. Users can search through the recorded data and find the associated video streams.

Advanced text channels receive structured data, and can perform validation of this data. A set of rules can be defined to invoke various actions depending on the contents of the data received.

Validation rules and actions are defined using very flexible XML configuration files, and thus no programming skills are required.

Text channels support the following connection methods:

- TCP server/ client
- UDP
- HTTP
- RTSP/ RTP
- RS-232 (serial port)

Advanced text channels can be validated using:

- XSD validation
- RegEx validation
- Custom data validation

Flexible rules:

Rules can be defined based on the received data contents and using various comparison operators.

A rule can trigger one or more of the following actions:

- Trigger an alarm
- Send text/data to the recorder
- Send metadata to the recorder

Gateway SDK

The Gateway SDK provides a rich application programming interface that developers can use to integrate Mirasys VMS functionality to their applications.

As a good example of the richness of the functionality provided by the gateway SDK, Mirasys Spotter Mobile and WebClient applications are developed using this SDK.

The SDK is available for C# and Java languages

The SDK supports the following functionalities:

- Connect/disconnect (all recorders in a site accessible through one connection)
- Log on/off (user authentication)
- List user profiles
- Mirasys Spotter for Windows layouts
- User profile data for
 - Sites
 - Camera
 - Dome camera
 - Digital input
 - Digital output
- Camera
 - Realtime streaming (JPEG or original codec)
 - Playback streaming (JPEG or original codec)
 - Full-rate or motion based streaming
 - Time search
 - Activity search
- PTZ control
 - Open, force open, close, automatic close
 - Move
 - Center
 - Zoom in/out
 - Area zoom
 - Unzoom
 - Focus near/far
 - Iris open/close
 - Set dome preset
 - Start and stop dome programs
- Digital I/O
 - Output state toggle
 - Output pulse
- Recorder events
 - I/O state
 - Camera state
 - Video motion