ARGO VMS

The ARGO video management system by Spark is a powerful solution designed for a simple and immediate user experience.

Main features:

- native support for Spark IP cameras and generic cameras via a RTSP stream;
- multilevel user rights with customisation options;
- multi-encoder management;
- creation of customised multilevel maps with browsing system;
- event and alarm management;
- advanced video analysis support;
- touch screen support;
- proprietary player for the reproduction of exported films with digital zoom feature. The player is included automatically with the export from client.

Complete solution

The Argo VMS is natively integrated with Spark IP cameras to offer a complete video management solution: IP cameras grab images with a resolution up to 20 Megapixel and 30 frames per second, and then stream the video to the "Recorder" for management and storage. The "Service Directory" provides centralised management of users, their access credentials and privileges on the various "Recorders" distributed in the network. The "Client" makes all the information immediately accessible and easy to use by the user.

Scalable

It is based on distributed Client-Server architecture and consists of a set of modules that interact via a proprietary protocol. This makes it possible to obtain an open system that can be expanded with extreme ease, reliability and scalability. It can be managed efficiently by the simplest of architectures, such as a single storage server, or the most complex, distributed and centralised systems.

Band management and CPU use

Argo supports the management of multiple video streams for each camera; the client can view the different streams and optimise bandwidth- and processor usage based on the configuration displayed: full screen viewing of a single camera or viewing of multiple cameras. It supports simultaneous recording of different video streams for each camera with different resolutions, different compression algorithms and different frames per second rate.

Different privileges for different users.

Each group of users has different needs depending on their roles and responsibilities. Argo allows configuration for each user group, such as which privileges to enable and when. In this way, each user only has access to the functions needed and is unable to access any unauthorised or unnecessary functions, safeguarding both correct use of the system and fast learning.

Audit/System logs

Two logs are available, a system log and an audit log, both including all user access.
Based on their profile, users can export the logs in line with the authorisation they have been given.

Maps

The Argo can import all standard image files in common use (Jpeg, bmp, png, …) and create video maps to replicate the exact arrangement of the cameras in the monitored area. The areas of coverage can also be resized and redirected using a few simple commands in order to replicate the actual field of vision. There is also the option of positioning the physical inputs and aux outputs, making it possible to identify and control the alarms entered in the system and immediately identify the zone involved thanks to a colour change and audio signal. It is also possible to gain immediate access to the live images from the camera involved with just one click. Multiple allocated installations can be browsed by creating various maps with different zoom levels (e.g. World, Country, City, Premises, Room).

Alarms and Events

The Argo's alarm and event management system offers easy, rapid and efficient management of alarms and events triggered across the system. The management also offers the possibility to classify the alarms according to priority level, to display maps and associated cameras with a single click, to manage multiple users and pre-set a series of response actions. Different events can be combined with logical operators (AND, OR) in order to obtain customisable actions and alarms, reducing false alarms

EVA Perimeter - advanced video analysis for perimeter protection

A server-based solution for the detection of intruders (human or vehicle) in outdoor environments. Designed for any type of installation, combining performance, simplicity and reliability, for "intrusion", "loitering", "zone crossing" and "conditional" detection.

System requirements

Spark Client Series minimum requirements:

CPU	Intel Core i5 @ 2.7GHz
RAM	4GB
Disk space	500 MB free disk space
Graphics Card	1GHz, 1GB RAM
Screen Resolution	1920x1080
Network Card	Gigabit Ethernet
Operating System	Windows 8.1 (64-bit); Windows 10 (64-bit)

Spark Player minimum requirements:

CPU	Intel Core i5 @ 2.7GHz
RAM	4GB
Graphics Card	1GHz, 1GB RAM
Screen Resolution	1024x768
Operating System	Windows 8.1 (32-bit or 64-bit); Windows 10 (32-bit or 64-bit)

Spark Recorder minimum requirements:

CPU	Intel Core i5 @ 2.7GHz
RAM	8GB
Network Card	Gigabit Ethernet
Operating System	Windows Server 2012 R2; Windows Server 2016; Windows 7 SP1 (64-bit); Windows 8 (64-bit); Windows 8.1 (64-bit); Windows 10 (64-bit)