



# EVA PERIMETER

## Enhanced Video Analytics

### SPARK server-based analytics for perimeter control

SPARK EVA Perimeter provides an advanced and accurate perimeter control system. Compatible with all SPARK cameras, EVA Perimeter can significantly improve monitoring efficiency and increase security level by analyzing the video streams from the cameras and alerting the guards of any potential perimeter threats through the VMS.

EVA Perimeter is able to perform video content analysis over large distances and differentiate between real events and false alarms triggered by environmental conditions, such as rain, shadow and other adversity caused by weather or lighting. Combined with the video maps feature on ARGO VMS, EVA Perimeter can help guards quickly locate the origin of the event, ensuring rapid response and effective management.

## FEATURES

Supported cameras	SPARK cameras and 3 <sup>rd</sup> parties cameras
Min. system requirement for analysis and config.	Server 2012 R2, Windows 7, 8.1, 10, Intel Core 2 Duo or better, at least 2GB RAM and 1024x768 screen resolution 1CIF analysis,4/3 image: 430 CPU Mark, 100 MB RAM 1CIF analysis,16/9 image: 500 CPU Mark, 100 MB RAM
Scenarios	Intrusion Loitering Zone crossing Conditional zone crossing
License	One license per video stream <small>*Trial license available, please contact sales</small>

EVA Perimeter is the ideal solution for critical installations, such as airports, stadiums, logistics centers, border patrol and government buildings. With the advanced intrusion detection, it can help enforce safety regulations.



# ARCHITECTURE

## ARGO VMS CLIENT



EMAPS  
ALARM SYSTEMS



## CAMERAS



# EVA Perimeter Guidelines for effective implementation

## Camera minimum requirements

1. Deliver RTSP/HTTP video stream in H.264/MJPEG/ MPEG4 at 8fps in 1CIF resolution.
2. Deliver multiple video streams with same aspect ratio.  
Example: 1 stream with 2MP @ 30fps in 16/9 for Argo VMS and 1 stream with 1CIF @ 8fps in 16/9 for EVA Perimeter.

## Camera height and detection distance

1. Camera must be placed at a min. height of 2.5m for outdoor installations.

Camera height	Max. Detection Distance	Camera height	Max. Detection Distance
2m	10m	4m	200m
2.5m	20m	5m	300m
3m	100m	6m	500m

## Suggestions

1. Use the camera's sunshield to prevent raindrops on the lens, as it may reduce detection performance.
2. Users may choose to use external IR to achieve longer distance and avoid interference from insects.



Camera  
Height 4m

0m  
Camera installation



2m  
Beginning of the  
detection zone  
(Camera Height / 2)

202m  
End of the  
detection  
zone