HIKVISION®

milestone

ENTERPRISE-CLASS INTEGRATION
WITH MILESTONE
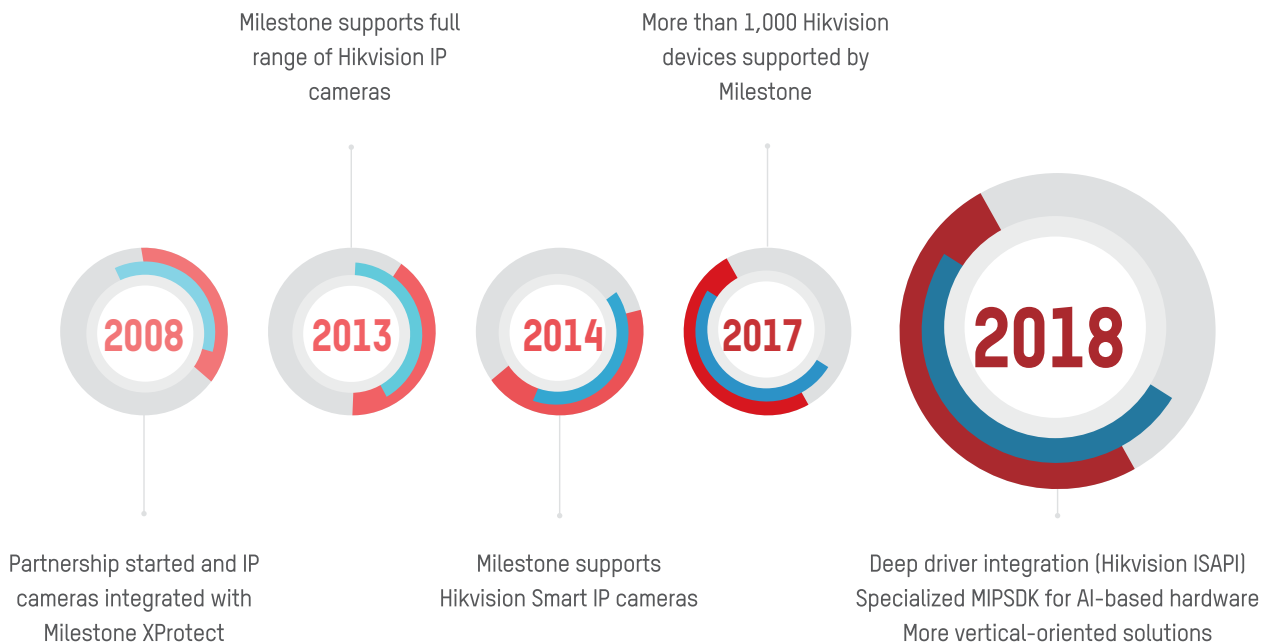VIDEO MANAGEMENT SYSTEM (VMS)

Hikvision and Milestone Systems has a strong and long-standing partnership since 2008. As a Milestone Elite Camera Partner, Hikvision enjoys support for 1000+ products in the Milestone XProtect® software. Milestone and Hikvision continue to show the ability to drive value and performance into the integrated solutions.

Users enjoy full support across the Milestone broad range of VMS solutions for Hikvision IP cameras, network recorders*, analog encoders, and specialty cameras. The deep driver integration unlocks the full potential of the Hikvision Smart Features in the Milestone VMS, such as video content analysis (VCA), automatic number plate recognition (ANPR), bounding boxes and meta-data streams for a wide variety of use-case scenarios.

Based on recognized security technologies, the deep integration provides a solid environment to inject a high level of security into the video surveillance system.

ABOUT MILESTONE

Founded in 1998, Milestone Systems is a global industry leader in open platform IP video management software. The XProtect platform delivers powerful surveillance that is easy to manage, reliable and proven in thousands of customer installations around the world. With support for the widest choice in network hardware and integration with other systems, XProtect provides best-in-class solutions to video enable organizations – managing risks, protecting people and assets, optimizing processes and reducing costs. Milestone software is sold through authorized and certified partners.

◆ milestone

Milestone supports full range of Hikvision IP cameras

More than 1,000 Hikvision devices supported by Milestone

2008 **2013** **2014** **2017** **2018**

Partnership started and IP cameras integrated with Milestone XProtect

Milestone supports Hikvision Smart IP cameras

Deep driver integration (Hikvision ISAPI) Specialized MIPSDK for AI-based hardware More vertical-oriented solutions
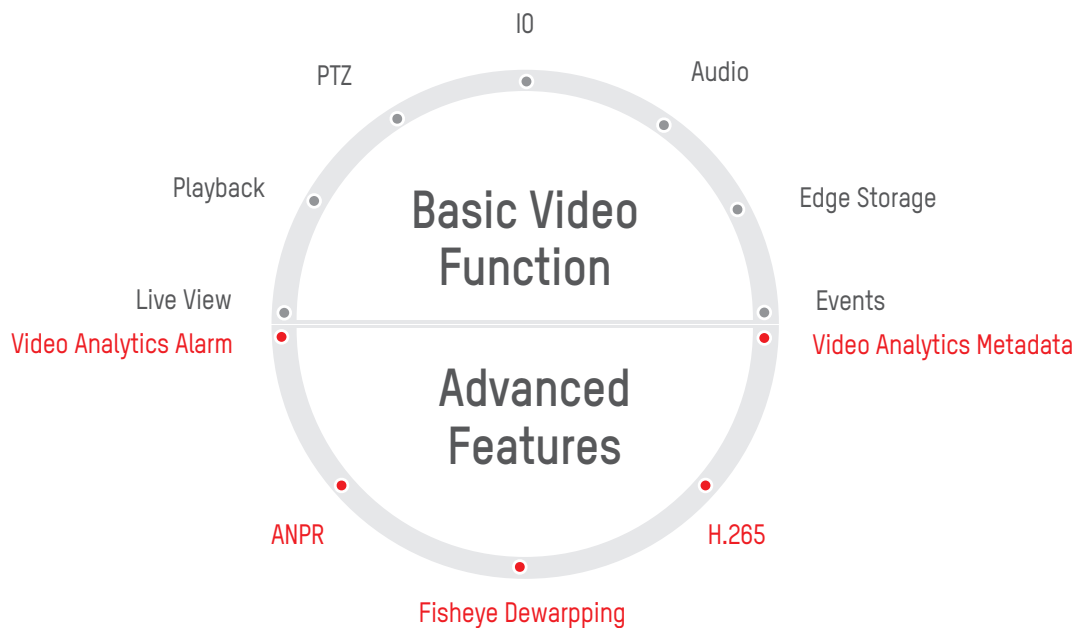
HIKVISION
PRODUCT INTRODUCTION

Milestone XProtect VMS supports more than a thousand Hikvision Products, covering virtually all Hikvision product lines and special functions, such as H.265 encoding, thermal cameras, fisheye camera dewarping and video analytics metadata. Launching in 2018, Milestone XProtect will support Hikvision Network Video Recorders (NVR) as edge recording devices.

The Deep driver integration enables a better and broader configuration and management of cameras in the XProtect Management Client. The full driver support for Hikvision Smart Features unlocks the true potential of the innovative Smart Features, by providing instant and well-defined alarms directly into the Milestone Smart Client.

The following product lines are fully supported in Milestone:

- IP network cameras (EasyIP, 4-line, 6-line)
- Thermal cameras
- Pan-Tilt-Zoom (PTZ) cameras
- PanoVu cameras
- Fisheye 360° IP cameras
- ANPR cameras (license plate recognition)
- Analog encoders
- Turbo HD DVRs*
- Network Video Recorders (NVR)*

Launching in 2018

IO

PTZ   Audio

Playback   Edge Storage

Basic Video Function

Live View   Events

Video Analytics Alarm   Video Analytics Metadata

Advanced Features

ANPR   H.265

Fisheye Dewarpping

INTEGRATION HIGHLIGHTS

▶ **Native device drivers and MIP SDK plugins ensure a comprehensive and seamless support**

The native Hikvision device driver follows the Milestone bi-monthly device driver pack launch rhythm. This ensures support for the latest Hikvision products, smart features, and updated security measures. When installing Hikvision products in Milestone software, devices are quickly and accurately recognized and enrolled, and all the advanced features of the Hikvision products are automatically made available through the Milestone software for further configuration. Plugins based on the Milestone MIP SDK for specialized Hikvision products are available to unlock even more potential.

▶ **NVR*, analog encoder, and Turbo HD encoder* devices**

Users have the ability to stream and retrieve recorded video from edge devices such as NVRs, encoder and Turbo encoders. This flexible system architecture enables the user to build very cost-efficient and flexible video surveillance systems.

* Launching in Q2/Q3 2018

▶ **Configuration and management**

A set of basic and advanced configuration features are available in the XProtect Management Client. This harnesses the admin with full control of the Hikvision cameras, and unlocks the strong management capabilities of the Milestone software.

▶ **Edge storage**

Record the video at the edge (SD card) and retrieve only on demand or per a schedule. Either use as back-up for error-prone communication lines or to schedule retrieval of recorded video at low-peak hours in bandwidth limited scenarios. Leverage the Milestone SVQR (Scalable Video Quality Recording) technology to really optimize the bandwidth usage.

▶ **Bandwidth- and storage optimized streaming**

With the continuous increase in megapixel camera technologies, users can save valuable storage space and bandwidth by using the optimized H.264 and H.265 encoding technologies.
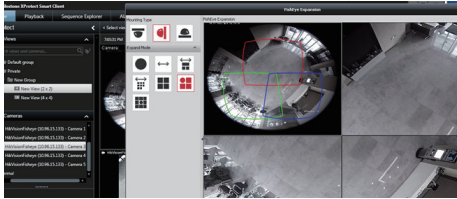
▶ **Security features**

The driver integration makes it easier for the admin to ensure a high level of cyber-security leveraging security features such as HTTPS and digest authentication between the VMS and camera.

▶ Dewarping of 360° fisheye camera (MIPSDK plugin)

A dedicated MIP plugin for Milestone provides dewarping support of the Hikvision fisheye cameras in the Milestone Smart Client. The MIP plugin enables live view and playback of 180° and 360° streams without distortion, and users can create multiple views, split views, and ePTZ.

▶ Metadata support

Support for metadata from the camera enables on-screen display of cross-lines, bounding boxes, and alarms/events changes the color for easy visual verification.

▶ On-board analytics (smart features)

The integration provides full support for alarms generated by the VCA in the camera, such as line crossing, region entrance/exiting, motion detection, unattended baggage, object removal, and face detection. The user can define multiple VCA events per camera and have them clearly identified in the Milestone software (i.e. multiple line crossing events per camera)

▶ ANPR cameras (MIP plugin)*

The ANPR Plugin sends license plate data and vehicle color to the Milestone system, allowing the operator to search and identify vehicle license plates from live and recorded video in the Smart Client. The operator can create black and white lists centrally in Milestone software and synchronize with one or more ANPR cameras. Alarms then pops up in real time in the Milestone alarm manager.

Launching in Q2/Q3 2018

NEW MIPSDK Development in 2018!

Hikvision has already released Fisheye Dewarping and Video Analytics plugin. In 2018, Hikvision has more plugins planned with Milestone to cover even more products.

Counting Plugin

• Display real-time counting data
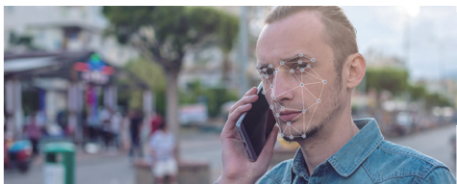• Counting data report (daily/weekly/monthly/yearly)

Mobile System Plugin – 3G/4G Solution

• Mobile System Plugin
• 3G/4G Solution

Facial Recognition Plugin

• Facial comparison alarm with image
• Search by image result and human trace display
• Facial recognition alarm with image

Access Control & Intercom Plugin

• Access control event alarm
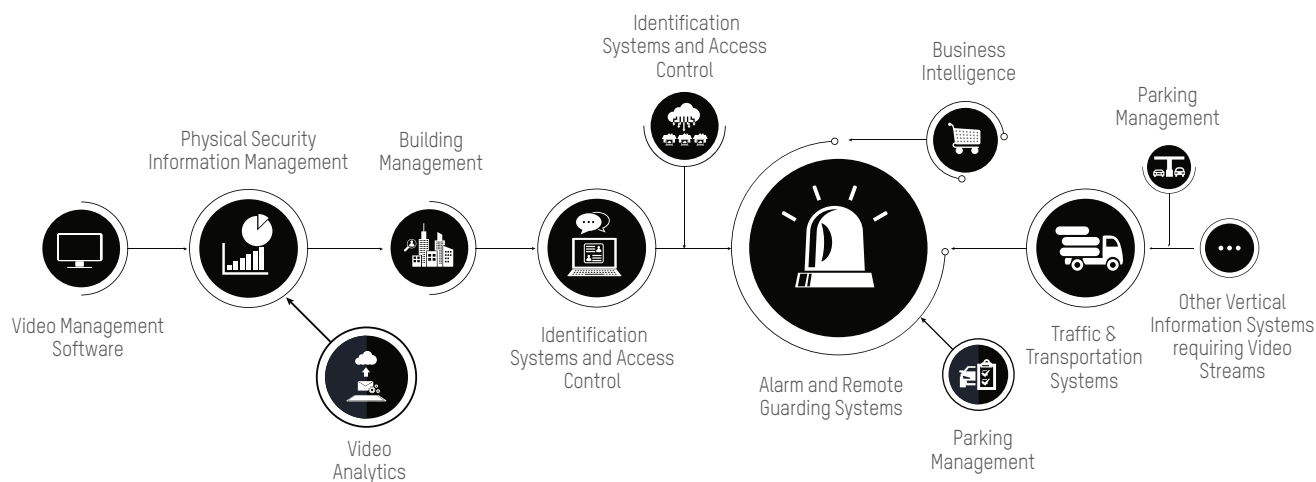• Open door remotely
• Video linkage

TECHNOLOGY PARTNER PROGRAM
FOR INTEGRATION PARTNERS
BUILD SMART SOLUTIONS WITH HIKVISION

STRATEGIC PARTNER
Technology Partner Program

Join Hikvision's Technology Partner Program for Integration Partners and open the door to a world of opportunities. With customers and support centers all over the world, Hikvision continually extends the reach of its innovative technologies.

We believe in strong partnerships and are eager to explore opportunities for collaboration, integration, and mutual success. If you specialize in any of these areas, consider venturing with Hikvision for exciting new possibilities:

Video Management Software

Physical Security Information Management

Video Analytics

Building Management

Identification Systems and Access Control

Identification Systems and Access Control

Alarm and Remote Guarding Systems

Business Intelligence

Parking Management

Parking Management

Traffic & Transportation Systems

Other Vertical Information Systems requiring Video Streams

HIKVISION PARTNER PORTAL

The Hikvision Partner Portal is a value-sharing platform on which we share our success with partners and ensure partners' business ventures succeed in every possible way. Authorized partners can access the Partner Portal online, anytime, for all kinds of helpful information.

When joining this partner program, you will enjoy access to a wealth of technical and commercial resources, and we ensure that your solution enjoys strategic marketing through our communication channels. You will also get instant access to our entire sales organization. A vital part of our program is the streamlined online communication with our technical teams as well as the tools to plan the go-to-market activities.

ENTERPRISE-CLASS INTEGRATION
WITH MILESTONE
VIDEO MANAGEMENT SYSTEM (VMS)

Distributed by

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