



XPROTECT 2021 R1

**CLARITY  
COMPATIBILITY  
CONTROL**



2021 R1

# AGENDA

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# AGENDA

2021 R1 Themes

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## SITUATIONAL AWARENESS

# SEE THE WHOLE PICTURE WITH SMART MAP

Know your surroundings.

Identify areas of concern.

Act quickly and responsibly.

### With Smart Map, operators can:

- Visualize the VMS
- Gain situational awareness
- Navigate effortlessly

### Ideal for... Security operators

The life of a security operator is not always straightforward. It's their job to guarantee the safety and security of people, premises and assets. It requires them to be always on top of everything. Large-scale operations often span multiple geographical sites and feature thousands of cameras, sensors, audio devices, doors, and other input devices.

Getting a complete overview of a large security installation is no easy task. With Smart Map, we make security operators' tasks easier.





## SITUATIONAL AWARENESS

# 2021 R1 - DO MORE WITH SMART MAP

### Alarms\*

Shown as blinking red circles when activated for improved situational awareness

### NEW! Microphones

The ability to hear audio directly in the map view

### NEW! Input devices

Like doorbells and sensors for an improved overview



*The ability to add alarms was added in XProtect 2020 R3*

## SITUATIONAL AWARENESS

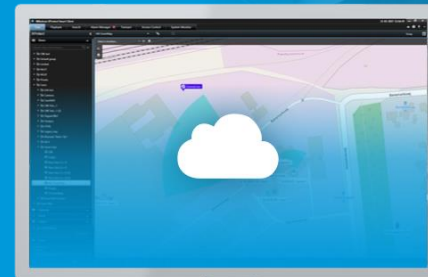
# DO MORE WITH SMART MAP

### **NEW!** Device clustering

Automatically groups near-by map items into clusters for a better visual overview when zooming out

### **NEW!** Milestone Map Service

Works out of the box and offers the same functions and visual overviews as other supported online map services





## VIDEO EXCELLENCE

# SHORTER RECORDING SERVER START-UP AND REPAIR TIME

XProtect 2021 R1 focuses on efficiency and supports a continuous operation by cutting down the Recording Server start-up and repair time by up to 50% so you can minimize downtime and return to work as quickly as possible.

### XProtect Recording Server 2021 R1 allows you to:

- ✓ Shorten start-up and repair time by up to 50%
- ✓ Minimize downtime and work continuously



ENJOY A FASTER  
RECORDING SERVER



AVOID LONG  
DOWNTIME



WORK  
CONTINUOUSLY



## CAMERAS AND DEVICES

# REDUCE MAINTENANCE TIME BY UPDATING FIRMWARE IN XPROTECT

Regular firmware updates are an integral part of keeping installations safe and well-functioning. But executing these updates is a tedious task. In this release, we help operators gain back precious time with the ability to update firmware directly in XProtect Management Client.

Now, system administrators with supported device brands\* can complete updates from a single user interface, saving time and energy. Bulk updates for devices in XProtect Corporate and XProtect Expert are also possible.

*\*This feature supports devices from AXIS, Bosch and Hanwha. It also supports devices connected through the ONVIF driver.*

## Great for... System Administrators

This feature will not only increase the ease of use for the system administrators but will also increase cybersecurity as new firmware comes with security patches essential for reliable installations.





## CAMERAS AND DEVICES

# BUILD WITHOUT BARRIERS

### Raising the number of supported driver channels

The cap on supported channels has skyrocketed to 512, giving professionals more freedom of choice. This is a vast improvement from the 16-channel limit for ONVIF and the 64-channel limit for the Universal Driver. Partners building their own integrations with the Milestone Driver API/SDK, can now enjoy complete freedom, going from a 1-channel limit to support for an unlimited number of channels.

Device	Before 2021 R1	From 2021 R1
ONVIF	Max 16 channels	512 channels supported
Driver API/SDK	Max 1 channel	Unrestricted number of channels supported
Universal driver	Max 64 channels	512channels supported

### Great for... System Integrators

Without the 16-channel cap on the number of supported channels, system integrators have more choice when building installations.

### Also great for... Developers & Technology Partners

The Milestone Driver API/SDK can now support any number of channels, providing developers with increased opportunity to build integrations.



## CAMERAS AND DEVICES

# EXPANDING OUR COMMUNITY



### Support for 400+ new devices

Since R3, we have added support for 400+ new devices, bringing the total of supported devices to 10,422. We have also released two legacy device packs (2.0 & 2.1a) and we now offer support for the first "OSSA"- driven device from Bosch.

#### Device Pack 11.4

Release date: FEBRUARY 12, 2021

##### Axis

Support for a wide array of new devices, including :

- V5925- for broadcasting and conferences,
- I8016-LVE- a new network video intercom,
- Q8752-E- a thermal and visual camera in one, designed for perimeter and border surveillance,
- P3255-LVE – a dome camera with dual chipset designed for the deep learning and AI analytics and for support of 3rd party analytics applications
- Q6135-LE – a high speed PTZ camera with optimized IR support and support for AOA

##### Bosch

- Implemented resolution mapping in Bosch drivers

##### Hanwha

- Implemented support for IR Led light for Hanwha XNF-9010RV

#### Device Pack 11.5

Release date: APRIL 22, 2021

##### Axis

- New generic driver for Axis replacing all the existing non-legacy Axis drivers (except for the One Click driver).
- Support for six new devices: M3077-PLVE, M3057-PLVE,MK II, P3925-LRE, Q6075-SE, Excam XPT Q6075 and XP40 – Q1785

##### Bosch

- Support for Bosch's new series of cameras, Inteox. Inteox are the first "Driven by OSSA" devices from Bosch – and the first OSSA devices supported by Milestone .

##### Hanwha

- Events support for Hanwha TNM-3620TDY

##### Hikvision

- Support for SRTP in HikVision Generic driver

##### Mobotix

- Support for the following M7 platform group of events: meta events,message events, image analysis events, environment events.

##### Panasonic

- Support for AI VMD



## USER EXPERIENCE

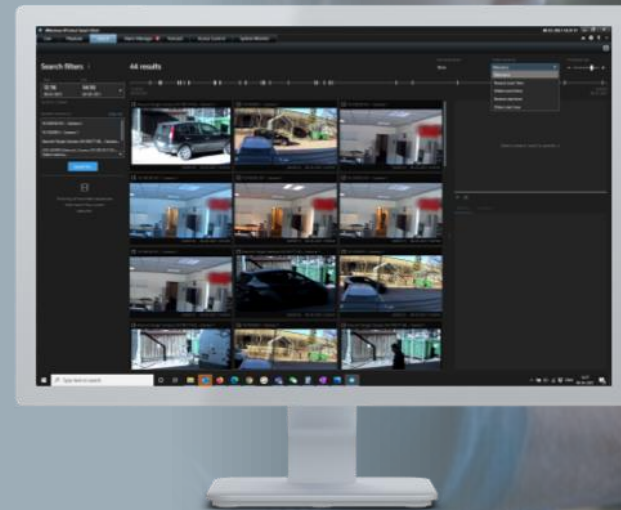
# A MORE SEAMLESS SEARCHING EXPERIENCE

## XProtect Smart Client

### Rank Search results by relevance

Operators can rank Search results by relevance, with the most relevant results listed at the top.

This new function helps users find results that best match their search parameters and quickly find what they are looking for.



## USER EXPERIENCE

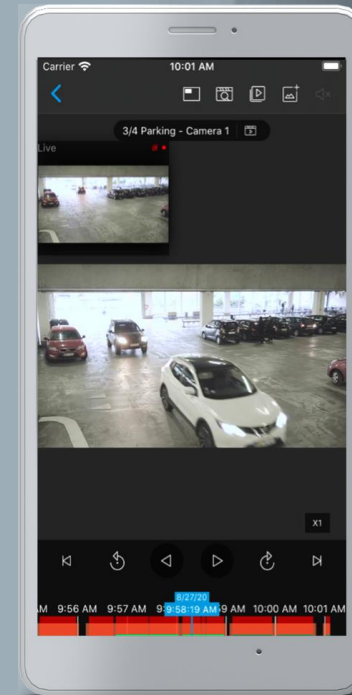
# A MORE SEAMLESS SEARCHING EXPERIENCE

## XProtect Mobile

### Improved timeline performance

The new recording timeline in XProtect Mobile is enhanced with an enlarged preview image when users scroll the timeline.

This makes it easier to see the recorded footage and locate a relevant video sequence.





## OTHER IMPROVEMENTS

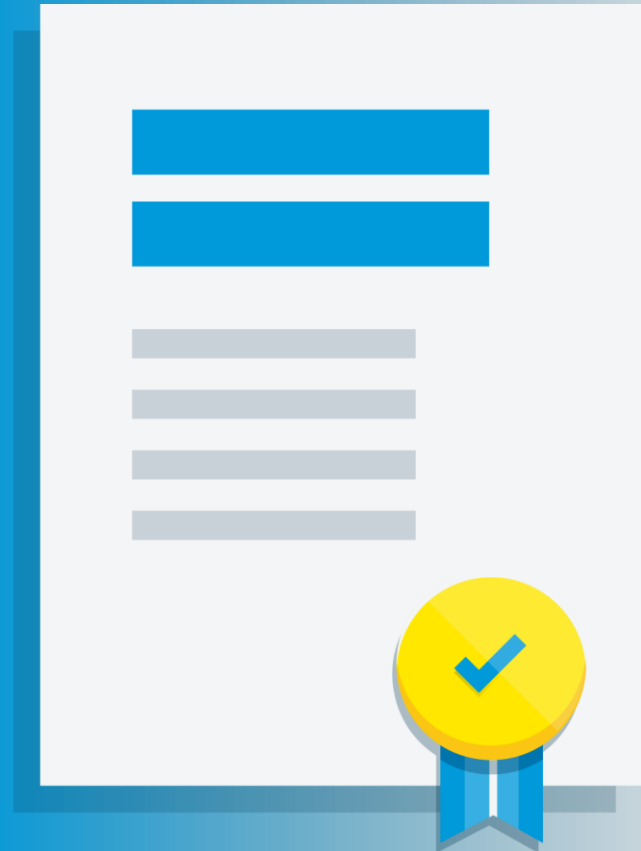
# IMPROVED LICENSE MODEL

The required number of device licenses will now be determined by the number of enabled channels. This ensures the correct number of licenses are issued and provides more flexibility in the licensing model.

- Deploy encoders and NVRs with 16+ channels
- Connect a third-party VMS with 64+ channels
- Provide better support for body-worn camera systems
- Enable partners to develop drivers with any number of channels

See how many licenses each device requires on the Milestone [Supported Device List](#).

Log into the [MyMilestone](#) portal for more information.



## OTHER IMPROVEMENTS

# LICENSE USE FOR **AFFILIATED COMPANIES** JUST GOT SIMPLER

As business grows, enterprises that consist of several affiliated companies sometimes need to administrate and manage hundreds of Software License Codes (SLCs) for their XProtect VMS.

The End User License Agreement (EULA) for XProtect 2021 R1 simplifies the license administration for such affiliated companies. It allows the user of XProtect VMS product (XProtect Corporate, XProtect Expert, and XProtect Professional+) to grant access to and permit the use of the product by its affiliated companies. This means that a single SLC can be used to deploy XProtect VMS across several affiliated companies, where each deployment gets its share of the total number of purchased device licenses.

The end-user of XProtect VMS product, the licensee, remains fully responsible for the affiliated companies' access and use of the XProtect VMS product in compliance with the Milestone EULA.



SIMPLIFY LICENSE  
ADMINISTRATION



REDUCE BASE  
LICENSE COST



EASILY TRACK  
CUSTOMER LICENSES

## WHO CAN BENEFIT FROM THIS CHANGE?

You can benefit from this change if you and the other company in mind are '**affiliated companies**':

- ✓ You control\* the company (e.g., you and your subsidiaries)
- ✓ You are controlled\* by the company (e.g., you and your parent company)
- ✓ You are under common control\* (e.g., you and your sister company if controlled by the same parent company)

None-affiliated companies, such as franchisor and franchisee, cannot benefit from this change.

\* "Control" shall mean the ownership of more than fifty percent of the voting securities entitling to the right to elect or appoint the majority of the board of directors, or a similar managing authority.



## OTHER IMPROVEMENTS

# GET THE BEST OVERVIEW WITH 360-DEGREE VIDEO

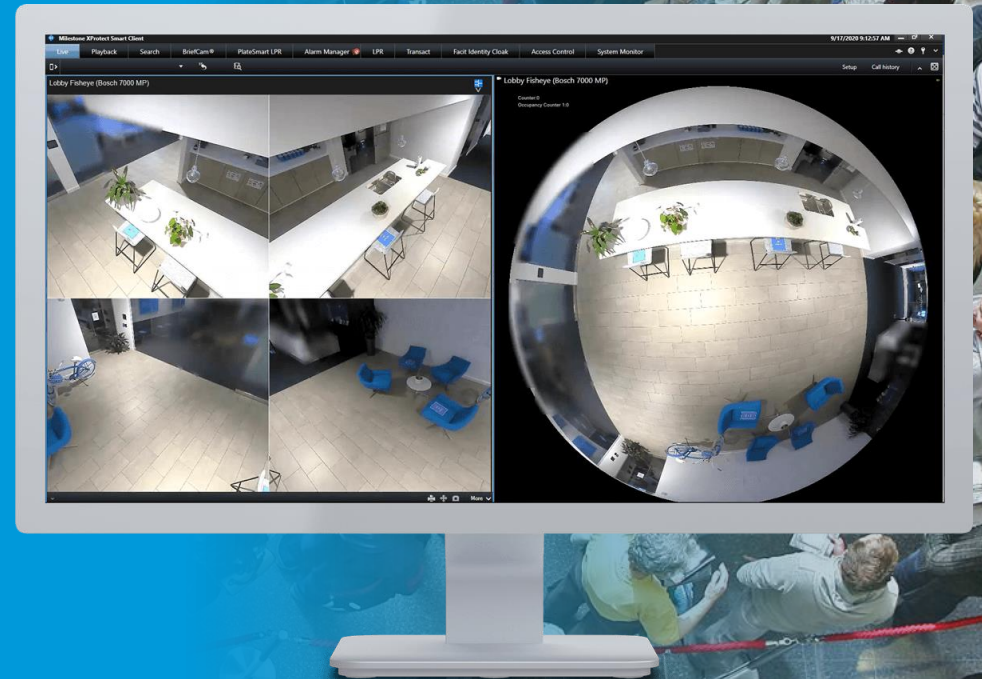
Expanded 360-degree camera support provides increased flexibility and more compatible devices

### Extended device support

Adjust each camera's field of view (FOV) to optimize the dewarping algorithm and allow XProtect to support dewarping in even more 360-degree cameras

### Improved management

A new view layout control plug-in also allows for improved management of how the dewarped images are displayed in the XProtect Smart Client. The new plug-in is named *Milestone XProtect 360° Split View plugin* and is available on Milestone Marketplace





XPROTECT ON AWS

# XPROTECT 2021 R1 ALSO AVAILABLE ON AWS

◆ milestone | XProtect®  
Essential+



Essential+ version of XProtect 2021 R1 optimized for easy deployment and includes virtual cameras for instant product experience  
Free! No license activation required

◆ milestone | XProtect®  
BYOL



Any XProtect 2021 R1 variant utilizing native AWS services for optimized storage and transmission\*. Single EC2 installation that can be extended and customized. Requires a BYOL license

\* XProtect BYOL 2020 R3 will still be available in AWS Marketplace



Available  
July 13



# 2021 R1 Summary

## SITUATIONAL AWARENESS

Smart Map: Adding input devices  
Smart Map: Adding microphones  
Smart Map: Adding alarms  
Smart Map: Device clustering  
Smart Map: Milestone Map Service

## VIDEO EXCELLENCE

Recording server startup and repair performance

## CAMERAS & DEVICES

Increased cap on drivers  
Device firmware upgrade  
New device packs

## USER EXPERIENCE

Centralized Search – rank by relevance  
XProtect Mobile - Timeline performance

## OTHER IMPROVEMENTS

Improved licensing model  
License use for affiliated companies  
360 dewarping enhanced usability

## XPROTECT ON AWS



# PRODUCT COMPATIBILITY

	XProtect Essential+	XProtect Express+	XProtect Professional+	XProtect Expert	XProtect Corporate
Smart Map: Adding input devices				√	√
Smart Map: Adding microphones				√	√
Smart Map: Adding alarms				√	√
Smart Map: Device clustering				√	√
Smart Map: Milestone Map Service				√	√
Centralized Search – rank by relevance				√	√
License use for affiliated companies			√	√	√
Increased cap on drivers	√	√	√	√	√
Device firmware upgrade	√ (Single device only)	√ (Single device only)	√ (Single device only)	√	√
New device packs	√	√	√	√	√
XProtect Mobile - Timeline improvement	√	√	√	√	√
Extended 360-degree dewarping device support	√	√	√	√	√
Recording server startup and repair perform.	√	√	√	√	√
Improved license model	√	√	√	√	√



MAKE THE  
WORLD SEE



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