



Release Notes – Milestone XProtect® Device Pack Version 8.1

It is with great pleasure that Milestone Systems as of August 27, 2015 is shipping

Milestone XProtect Device Pack Version 8.1

IP Camera and Video Server Compatibility Overview

This release note lists the changes in Device Pack 8.1 that are supported in the following systems:

- XProtect Corporate 1.5 – 6.0 versions, 2013-2014 version
- XProtect Expert 2013-2014 version

Please note that support for Audio, Multi-streams and Pre-alarms require XProtect Corporate 2.0a or newer.

Please note that support for H.264 require XProtect Corporate 2.0b or newer.

Please note that support for Interlaced field-encoded H.264 require XProtect Corporate 4.1a or newer.

Please note that support for GOP and more precise presets require XProtect Corporate 5.0a or newer.

Device Pack changes

Changes from Device Pack 8.0 to 8.1

- Added support for new devices and firmware. Refer to the supported hardware list. See <http://www.milestonesys.com/Support/Technical-Support/supportedhardware/allotherxprotectproducts/> for details.
- Added support for PIM-SSM on Onvif.
- Added support for multicast on Siquira S64E V2.
- Added rectangle zoom and auto flip for Canon.
- Added support for MPEG4 on Basler BIP series.
- Added support for SD-card events for Sony G6/G7 series with edge storage.
- Added stop ipv6, multicast, remote focus/zoom, audio for Arecont.
- Improvements in PTZ control for HikVision.
- Fixed an issue with AUX command needed to trigger thermal functionality on Bosch.
- Fixed an issue adding Axis P12xx and M20xx to Milestone.
- Fixed an issue indexing issue with input on Adam devices.
- Fixed an issue with using getting presets on Canon devices.



Replace Hardware Remarks:

Be aware that after using Replace Hardware and changing the license, the license should always be checked to verify that it is activated.

4K Remarks:

Due to the nature of 4K and the high resolution at high frame rates, this will increase the demand for high performing network, CPU, graphic adaptors and monitors. Unless all components in the hardware infrastructure is prepared for a high load, there might be limitations seen as latency, stutter etc.

4K - Recommended Smart Client version 2014 (9.0c) or newer.

ONVIF Known issue:

Currently there is a problem with the ONVIF driver showing JPEG video or image when the resolution is set to 3MP (2048x1536) or higher.

ONVIF upgrade from DP 6.2 or earlier remarks:

After upgrade some ONVIF devices might not work. The new version of ONVIF now only shows features that a responding correctly through the ONVIF interface. Since XProtect Corporate does not allow things like e.g. Audio, Input or similar to be removed, the ONVIF device will not be upgraded properly and hence not work. A work-around is to do replace hardware.

After upgrade Video Stream 1 and 2 might not correctly reflect the actual settings on those profiles. This is due to the ONVIF driver only used to have two video streams, where you selected a profile, where it now will have a video stream for each profile. XProtect Corporate "copies" the settings for each video stream when the driver is upgraded, so if Video Stream 1 or 2 did not have the correct profile that is now mapped to the stream it will show the same settings as before the upgrade even though the mapped profile might actually have other settings. The streams should work with the new settings unless some of these are not supported on the profile.

Some settings can be missing because the driver now only looks for the different type of settings in the places they should be according to standard.

Some features might not work any longer because the driver now only looks for the features and corresponding settings in the places and in the format they should have according to the standard.

Profile names might get changed after the upgrade because we now use the names given by the device for the profiles. These will not always correspond to what was previously used.

Axis Remarks:

The Axis M, P and Q drivers (except P8221) have been replaced with four new dynamic drivers that also supports the new Axis Events handling. This means that all new devices added to a system will automatically be detected on one of the new drivers.

Note: If your devices are using firmware 5.20 or lower then Events and I/O will not work with the new drivers. So either upgrade to a newer firmware or manually select the driver to add the device. Be aware if you add the device manually and later upgrade the firmware you will need to do a Replace Hardware to change to the new driver.

Note: Before Replacing Hardware to only change the driver and not the hardware please contact Support on how to do this correctly.

AVHS: Due to a limitation in the firmwares only 9 socket connections can be open on an AVHS device at any time. JPEG video streams, Audio In streams, Audio Out and Output streams use 1



socket connection each. H.264 video streams, Events, Inputs and Edge Storage use 2 connections each. This also means that when upgrading from a previous Device Pack to 7.3 all Channels should be disabled before the upgrade.

AVHS: Audio Out does not work properly with firmwares before 5.50 when running the 2013 or older versions. To get Audio Out to work in the 2013 or older versions with a firmware before 5.50 you need to either enable anonymous login or disable all authentication on the device. Audio Out will work with firmwares before 5.50 on the new 2014 versions.

Stretch Remarks:

To accommodate requests that the Stretch cards can run in a machine that has no Network card, the Stretch cards will from Device Pack 7.1 use a new scheme to retrieve a serial number. This means that when updating from a previous device pack, you need to run a Replace Hardware and get a new license for the Stretch cards to work.

Digital Barriers Remarks:

For the driver made for Digital Barriers TVI server there is a limit of 64 cameras connected per server. To support this new innovative mobile technology, Milestone will run a campaign offering the Digital Barriers connected cameras with a Milestone device license model similar to our encoder license setup – one license per TVI server. This time limited offering will run for 2016.

Upgrade from DP 6.7 or earlier remark:

If you are upgrading from a device pack prior to Device Pack 6.7 and using XProtect Enterprise 8.x, XProtect Professional 8.x, XProtect Express, XProtect Essential 2.x or XProtect Go 2.x versions, it is important that you do not uninstall the previous Device Pack first.