



Network Video Management System
Enterprise Edition
Device Pack

Release Note

Software Version: 9.3a

Revision 1 (Last Modified: September 6, 2017)

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Revision History

Revision	Date	Description
Revision 1	September 6, 2017	First release (9.3a)

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1 IP Camera and Video Server Compatibility Overview

This release note lists the changes in Device Pack 9.3a that are supported in the following system

- Network VMS Enterprise Edition 2016-2017 version

2 Device Pack Updates

- Added support for new devices and firmware. Refer to the NVMS Supported Device List. See <https://www.sony.net/CameraSystem/NVMS/Technical-Documents> for details.
- Added new recognition name method for Mobotix devices.
- Added support for Events for Digital Barriers.
- Added support for Multi-streaming on 1-channel Universal driver.
- Added support for Multicast on Universal driver.
- Added support for Edge storage over HTTPS for Vivotek using ONVIF.
- Added support for renamed Hanwha Techwin devices.
- Added support for the new Axis camera with Canon lens.
- Fixed an issue with timeout for Edge storage file retrieval for Sony.
- Added support for Audio on Edge for Axis
- Added support for Audio on Edge for Hanwha Techwin
- Added support for Audio on Edge for Sony
- Added support for Axis new firmware with security fixes
- Added support for new Sunapi 2.0 for Hanwha Techwin
- Added support for new Panasonic driver
- Added support for SNAPstream for Arecont Vision
- Added support for enabling the CGI of Hikvision devices
- Improved Media2 service on the ONVIF driver
- Added support for the latest version of gSOAP (version 2.8.48) to the ONVIF driver
- Fixed an issue with AdamIO driver
- Fixed an issue with the MIP driver

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 Network VMS version 2016 or newer, supporting HW accelerated decoding using the GPU

Axis Remarks:

The Axis M, P and Q drivers (except P8221) have been replaced with four new dynamic drivers that also support 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.

Hikvision remarks:

Due to the new security policy introduced by Hikvision with the 5.3.x baseline firmware, adding Hikvision cameras may cause temporary lockout of devices, even if the correct username and password have been predefined. This can be avoided by disabling the 'Enable Illegal Login Lock' option on the camera's webpage, if it is available in the firmware.

Firmware versions supporting the 'Enable Illegal Login Lock':

v5.3.8 build 150722
v5.3.0 build 150513
v5.3.8 build 151224
v5.3.10 build 150917

Firmware versions without the 'Enable Illegal Login Lock':

v5.3.8 build 150707
v5.3.9 build 150910

Recommended installation steps:

For devices that have the ability to control the Illegal Login Lock:

It is recommended to disable the Illegal Login Lock from camera's web page prior to adding the device to Network VMS software.

Enabling it afterwards will not affect the functionality of this camera.

If disabling this feature is not an option please mind the following:

1. Avoid using express scan. If this is not an option please specify the username and password on top of the credentials' list.
2. When using IP range don't define more than 1 password and username.
3. If you need to add a lot of cameras with different credentials it is recommended using CSV file method.
4. Use manual add method (auto discovery).

For devices without Illegal Login Lock control in their webpage:

5. Avoid using express scan. If this is not an option please specify the username and password on top of the credentials' list.
6. When using IP range don't define more than 1 password and username.
7. If you need to add a lot of cameras with different credentials it is recommended using CSV file method.
8. Use manual add method (auto discovery).

Using firmware 5.5.0 and later versions

With firmware 5.5.0 Onvif will no longer be enabled by default.

To enabled it, you need to use the Hikvisions tool which is found on their webpage or do it directly on the cameras homepage.