

## Release Notes: Luma NVR Firmware

### V3.1.2 build 191127

Priority: **REQUIRED**

Released: 2019/12/11

#### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-501-NVR-8CH, LUM-500-NVR-16CH, LUM-501-NVR-16CH

#### Enhancements

1. None; this firmware fixes the LumaLink connectivity issue..

#### Issues Resolved

1. Fixed LumaLink connectivity issue.

#### Known Issues

1. When updating using a USB drive, the system requires *digicap* to be in the file name. If you are using a USB drive to update your recorder's firmware, add "digicap" to the firmware file name. For example, rename *NVR\_V3.1.2\_170612.mav* to be *NVR\_V3.1.2\_170612-digicap.mav* .
2. OvrC is unable to pull a snapshot from a camera.
3. Using the local interface playback function, while viewing a single camera, the frames per second plays at a lower level than configured.
4. Using the Copy button under the Linkage Method tab does not duplicate channel settings.
5. Video settings don't save properly after a power cycle/camera reconnection. This can happen when the camera loses power during a motion event. Motion settings are then duplicated for normal (continuous) recording.
6. When naming cameras through OvrC, empty channels on the NVR must still have a camera name.
7. On the NVR web UI, the Archive folder does not allow you to choose a path when saving a recording to a computer. As a workaround, you can set the folder location under **Settings > Configure this Computer**.
8. PIR alarm and schedule re-enables after camera is re-added to NVR.
9. OvrC device details pages may take up to ten minutes to load when NVR has cameras on all channels.
10. Timeline loads slowly on some networks.
11. In some networks there may be delays in establishing LumaLink connection.
12. Smart motion lines showing in live view web UI of Mac computers and iOS mobile app.

## V3.1.2 build 181220

Priority: **IMPORTANT**

Released: 2019/03/12

This firmware is required to get LumaLink functionality from your Luma NVR. LumaLink allows you and your customers to access the recorder without port forwarding.

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-501-NVR-8CH, LUM-500-NVR-16CH, LUM-501-NVR-16CH

### Enhancements

1. Improves LumaLink functionality.
2. Increased video buffer to 512k.

### Issues Resolved

1. Fixed the PoE password functionality allowing cameras connected directly to the NVR PoE ports to be reset when using the plug and play protocol.

### Known Issues

1. When updating using a USB drive, the system requires *digicap* to be in the file name. If you are using a USB drive to update your recorder's firmware, add "digicap" to the firmware file name. For example, rename *NVR\_V3.1.2\_170612.mav* to *NVR\_V3.1.2\_170612-digicap.mav*.
2. OvrC is unable to pull a snapshot from a camera.
3. Using the local interface playback function, while viewing a single camera, the frames per second plays at a lower level than configured.
4. Using the Copy button under the Linkage Method tab does not duplicate channel settings.
5. Video settings don't save properly after a power cycle/camera reconnection. This can happen when the camera loses power during a motion event. Motion settings are then duplicated for normal (continuous) recording.
6. When naming cameras through OvrC, empty channels on the NVR must still have a camera name.
7. On the NVR web UI, the Archive folder does not allow you to choose a path when saving a recording to a computer. As a workaround, you can set the folder location under **Settings > Configure this Computer**.
8. PIR alarm and schedule re-enables after camera is re-added to NVR.
9. OvrC device details pages may take up to ten minutes to load when NVR has cameras on all channels.
10. Timeline loads slowly on some networks.
11. In some networks there may be delays in establishing LumaLink connection.
12. Smart motion lines showing in live view web UI of Mac computers and iOS mobile app.

## V3.1.2 build 180322

Priority: **IMPORTANT**

Released: 2018/06/07

This firmware is required to get LumaLink functionality from your Luma NVR and IP cameras. LumaLink allows you and your customers to access the recorder without port forwarding.

This firmware also adds several key enhancements, and fixes a number of issues.

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-501-NVR-8CH, LUM-500-NVR-16CH, LUM-501-NVR-16CH

### Enhancements

1. Implemented new LumaLink functionality.

### Issues Resolved

1. Web UI Calendar button now shows appropriate footage.
2. Time zone display in OvrC corrected.
3. Fixed HDD management alert message when a group number is set to a NAS drive.

### Known Issues

1. When updating using a USB drive, the system requires *digicap* to be in the file name. If you are using a USB drive to update your recorder's firmware, add "digicap" to the firmware file name. For example, rename *NVR\_V3.1.2\_170612.mav* to be *NVR\_V3.1.2\_170612-digicap.mav* .
2. OvrC is unable to pull a snapshot from a camera.
3. Using the local interface playback function, while viewing a single camera, the frames per second plays at a lower level than configured.
4. Using the Copy button under the Linkage Method tab does not duplicate channel settings.
5. Video settings don't save properly after a power cycle/camera reconnection. This can happen when the camera loses power during a motion event. Motion settings are then duplicated for normal (continuous) recording.
6. When naming cameras through OvrC, empty channels on the NVR must still have a camera name.
7. On the NVR web UI, the Archive folder does not allow you to choose a path when saving a recording to a computer. As a workaround, you can set the folder location under **Settings > Configure this Computer**.
8. Local UI Time Search changing characters from AM to random letters and symbols.
9. PIR alarm and schedule re-enables after camera is re-added to NVR.
10. OvrC device details pages may take up to ten minutes to load when NVR has cameras on all channels.
11. Timeline loads slowly on some networks.
12. In some networks there may be delays in establishing LumaLink connection.
13. Smart motion lines showing in live view web UI of Mac computers and iOS mobile app.

## V3.1.2 build 170612 (updated 02 Nov 17)

Priority: **IMPORTANT**

Released: 2017/09/05

This firmware is required to get full functionality from your Luma NVR and IP cameras!

This firmware adds several key enhancements, and fixes a number of issues.

**NOTE:** The new secure password strategy implemented by this firmware must be applied to the NVR first. Only update the IP cameras after you have updated the NVR.

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-501-NVR-8CH, LUM-500-NVR-16CH, LUM-501-NVR-16CH

### Enhancements

14. Implemented new secure password strategy; *admin:admin* are no longer valid credentials.
15. Added an entry for Service Tag to the system information page. Only new cameras built with the new firmware have that entry prepopulated.

### Issues Resolved

1. Unnecessary PTZ camera function greyed out; camera number, PTZ address and protocol remain.
2. Audio icon remains bolded when audio feature is active.
3. NVR time now updates when choosing time zone.
4. Timeline on Luma UI now consistent after DST spring forward.
5. Audio from camera now working on Mac computers.

### Known Issues

1. When updating using a USB drive, the system requires *digicap* to be in the file name. If you are using a USB drive to update your recorder's firmware, add "digicap" to the firmware file name. For example, rename *NVR\_V3.1.2\_170612.mav* to be *NVR\_V3.1.2\_170612-digicap.mav*.
2. OvrC is unable to pull a snapshot from a camera.
3. Using the local interface playback function, while viewing a single camera, the frames per second plays at a lower level than configured.
4. Using the Copy button under the Linkage Method tab does not duplicate channel settings.
5. Video settings don't save properly after a power cycle/camera reconnection. This can happen when the camera loses power during a motion event. Motion settings are then duplicated for normal (continuous) recording.
6. When naming cameras through OvrC, empty channels on the NVR must still have a camera name.
7. On the NVR web UI, the Archive folder does not allow you to choose a path when saving a recording to a computer. As a workaround, you can set the folder location under **Settings > Configure this Computer**.

## V3.1.2 build 160907

Priority: **IMPORTANT**

Released: 2016/10/27

**This firmware is required to get full functionality from your Luma IP cameras!**

This firmware adds several key enhancements, and fixes a number of issues.

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-500-NVR-16CH

### Enhancements

1. Changed the timeline display to allow users to find and view motion or alarm events when continuous recording mode is active. Users now have **both** blue and green bars on the timeline.
2. Added support for 4MP resolution.
3. Added two-way audio support in both the local UI and the web UI.
4. Added RTSP port forwarding through the built-in PoE switch for better control-system streaming.
5. You can now control zoom and focus on Luma IP cameras from NVR's local and web interface.
6. Added a sharpness setting for the local HDMI Out port.
7. You can name cameras through the NVR interface using the camera management page.
8. Bolder icons improve long-range visibility on HDMI.
9. Video content analysis (VCA) enables your NVR to record smart motion events that were set up from within your camera.
10. Automatic network replenishment (ANR) automatically stores video data on the IP camera's SD card if the network connection to the NVR is lost. Once the connection is restored, the NVR recovers the video that was stashed on the camera's SD card. This feature only works for cameras with an internal SD card slot.
11. Added control system commands to enable/disable notifications and recording schedules for individual cameras.

### Issues Resolved

1. Add highlighting to Yesterday, SEQ and Next Screen in the local interface.
2. Recorder no longer reverts email settings. All normal linkage, trigger alarm output and snapshot are retained.
3. NVR live view no longer flickers in the web interface.
4. Illegal logins now trigger events
5. Email notifications are now working for Gmail and Yahoo.
6. Motion Settings for the NVR are enabled by default.
7. HDMI/VGA sharpness stays on when selected on the web interface.
8. Single camera view playback now plays properly in mainstream if the new IPC plugin is installed.

### Known Issues

1. Video settings don't save properly after a power cycle/camera reconnection. This can happen when the camera loses power during a motion event. Motion settings are then duplicated for normal (continuous) recording.
2. Not all mail services are supported in this version (Gmail, Yahoo and Office 365 supported, others are not).
3. OvrC is unable to pull a snapshot from a camera.
4. When naming cameras through OvrC, empty channels on the NVR must still have a camera name.
5. On the NVR web UI, the Archive folder does not allow you to choose a path when saving a recording to a

computer. As a workaround, you can set the folder location under Settings > Configure this Computer.

6. On the NVR web UI, PTZ settings can be changed but the changes are not visually represented; the default values will still show. You should still be able to control IP PTZ cameras and any analog PTZ cameras going through an IP encoder as the correct values are saved but not displayed.

## V3.1.2 build 151224

Priority: **URGENT**

Released: 2016/01/19

**If you are updating a system with firmware version v3.1.2 build 150522 or older, do not install this update via OvrC.** Instead, install this update remotely via the web interface. When updating from v3.1.2 build 150522 or older, we recommend that you perform a factory default after the update. This can be done remotely using the “Reset all parameters except TCP/IP settings, port settings, and user information” option to ensure that you do not lose remote access. In this case, do not restore the configuration from the previous version.

This firmware fixes an issue with the OvrC firmware update process. Since the issue is in the current firmware, performing this update through OvrC may fail. A failure happens about 20% of the time, and returns the NVR to the previous firmware version after rebooting. You can try to update via OvrC again, but if the update fails more than once, we recommend that you update remotely via the web interface.

It is **not** necessary to be local when applying this update.

**We highly recommend everyone update to this firmware.** It eliminates an issue that could cause motion events not to record properly.

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-500-NVR-16CH

### Enhancements

1. Added an OvrC Activation Code field to the web interface to make it easier to claim the recorder on OvrC.

### Issues Resolved

1. Resolved an intermittent issue where motion detection failed to initiate recording properly.
2. Resolved issues related to setting up motion detection areas in the NVR interface.
3. IP cameras named through OvrC no longer have their names lost during upgrade or reset; this name applies to all of the various interfaces (web, mobile, local). *Note: Applying this update will cause you to lose camera names, as the current firmware has this issue; you will need to name the cameras again.*
4. Fixed an issue where the NVR was not properly implementing portions of the DDNS protocol.
5. DNS info is no longer lost during firmware updates.
6. Fixed a crash when exporting a configuration file via FireFox.
7. Removed the custom protocol selection in the camera add method in the web interface. This feature was nonfunctional.

### Known Issues

1. Cannot name cameras through the NVR interface.
2. Cannot search for motion events within a continuous recording.
3. The calendar does not indicate the presence of recordings for days in the previous year.
4. In the web interface, when selecting a day via the timeline or the calendar, playback begins immediately.
5. Missing some IR commands that exist for IP and RS-232 for navigation control.

## V3.1.2 build 150929

Priority: **OPTIONAL**

Released: 2015/09/29

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-500-NVR-16CH

### Updates

1. Added Mac compatibility. **If you do not use a Mac, this update is not required.**

## V3.1.2 build 150811

Priority: **HIGH**

Released: 2015/08/11

### Models Affected

LUM-500-NVR-4CH, LUM-500-NVR-8CH, LUM-500-NVR-16CH

### Updates

1. Added playback ability to matrix view.
2. Improved substream playback performance in web interface.
3. Fixed a number issues related navigation and playback.
4. Updated a number of graphical icons.
5. Fixed a number of typos in configuration menus.

### Known Issues

1. Cannot search for events when recording in continuous mode. User can search log file for motion events from camera.
2. Chrome plug-in currently requires NPAPI interface, which was retired in September 2015.