

megapixel™

OMNIS® AV Monitoring Platform

Release Notes v26.03.0

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<https://megapixelvr.com>

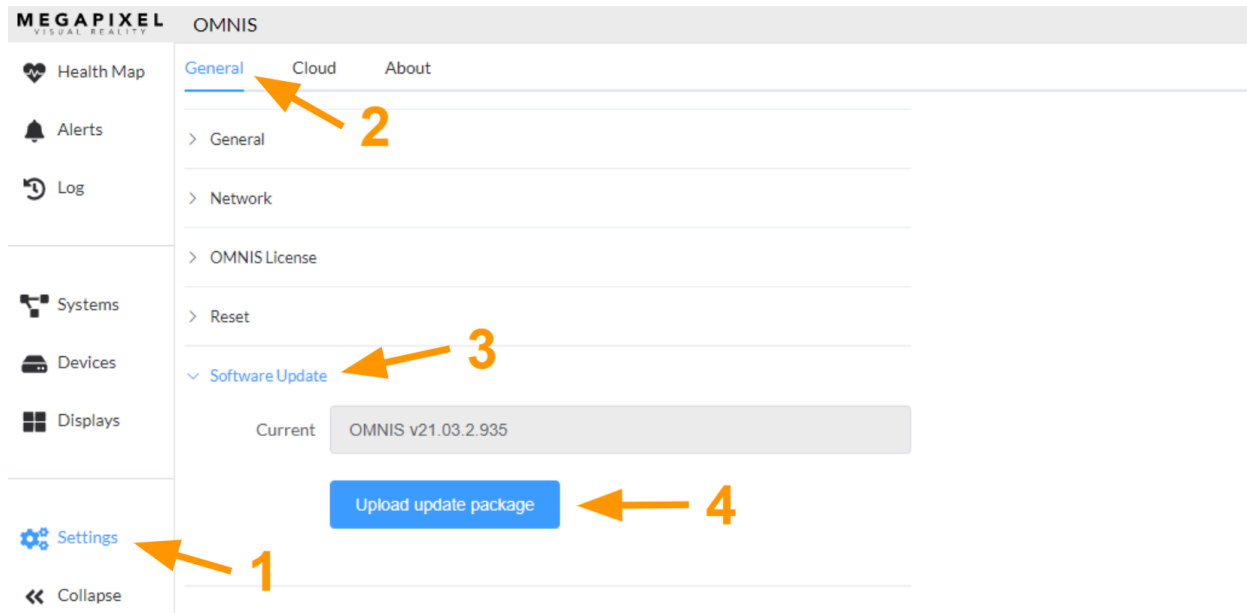
Introduction

The current user manual and releases for the OMNIS monitoring system can be found at:

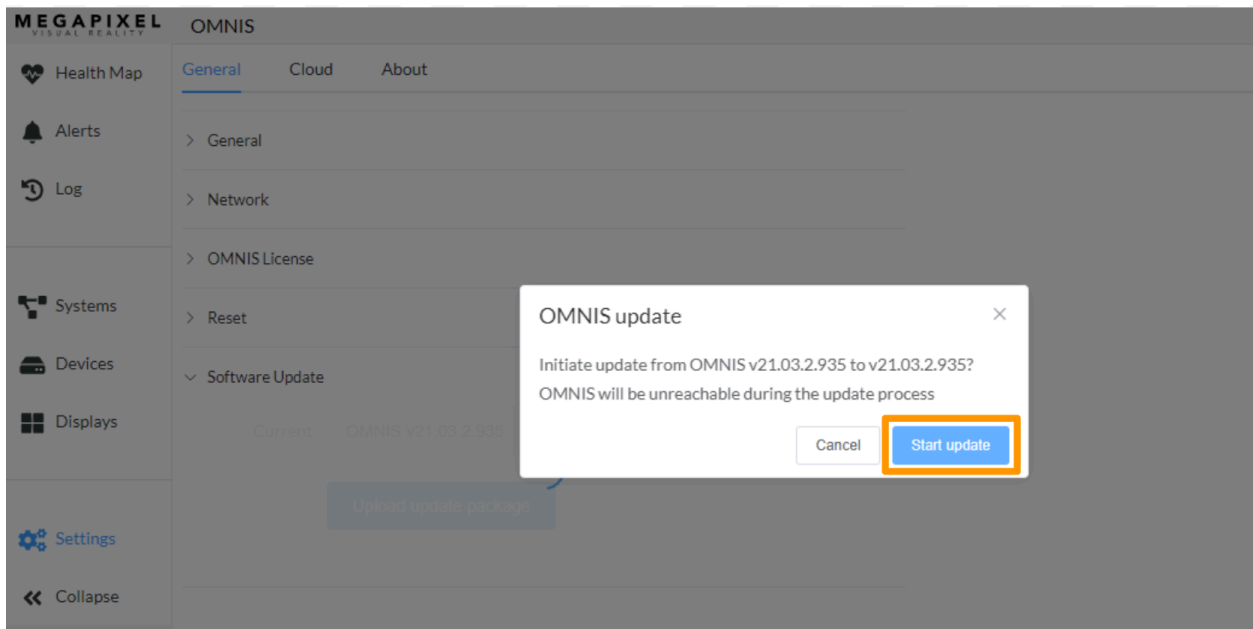
www.megapixelvr.com/product-support/

OMNIS Upgrade Instructions

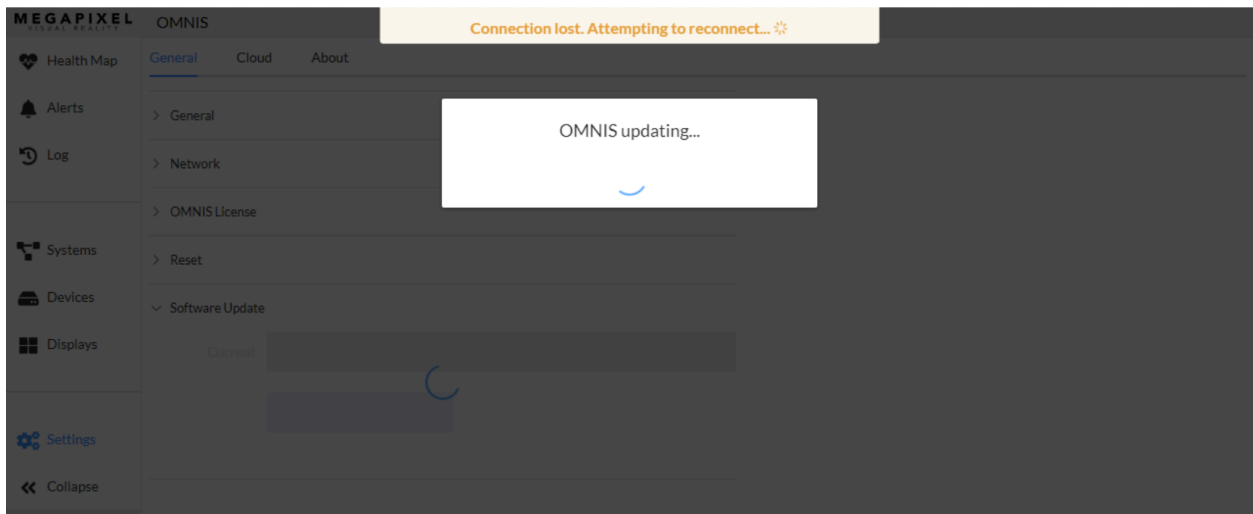
In the OMNIS web UI navigate to: Settings->General->Software Update and select the “Upload update package” button.



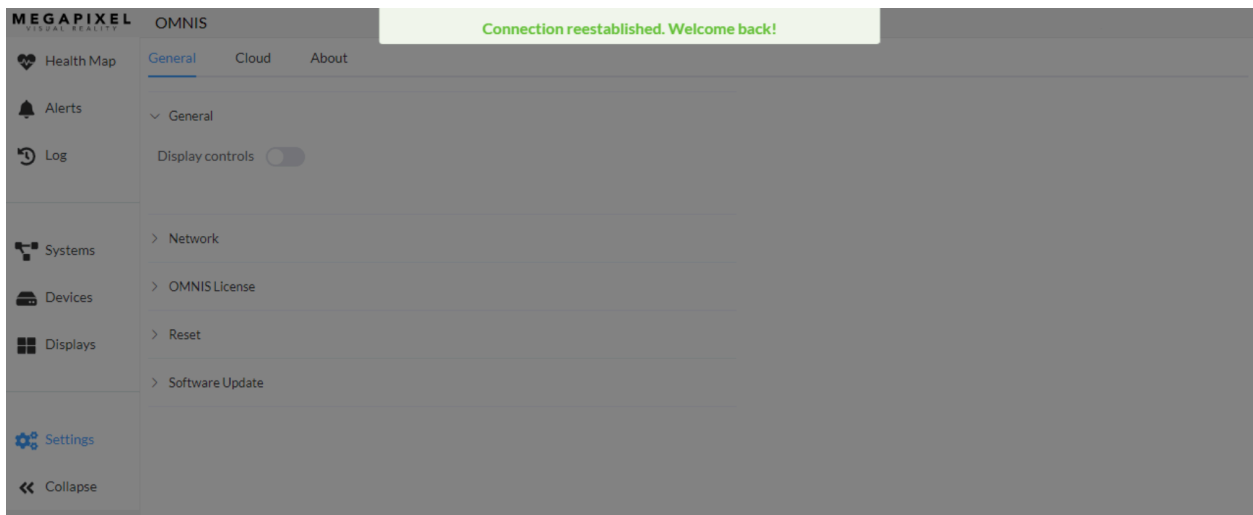
Browse to the current software .MVRP file on your computer and upload it. There will be a confirmation prompt pop-up, click “Start update” to proceed. The OMNIS will begin the update process immediately.



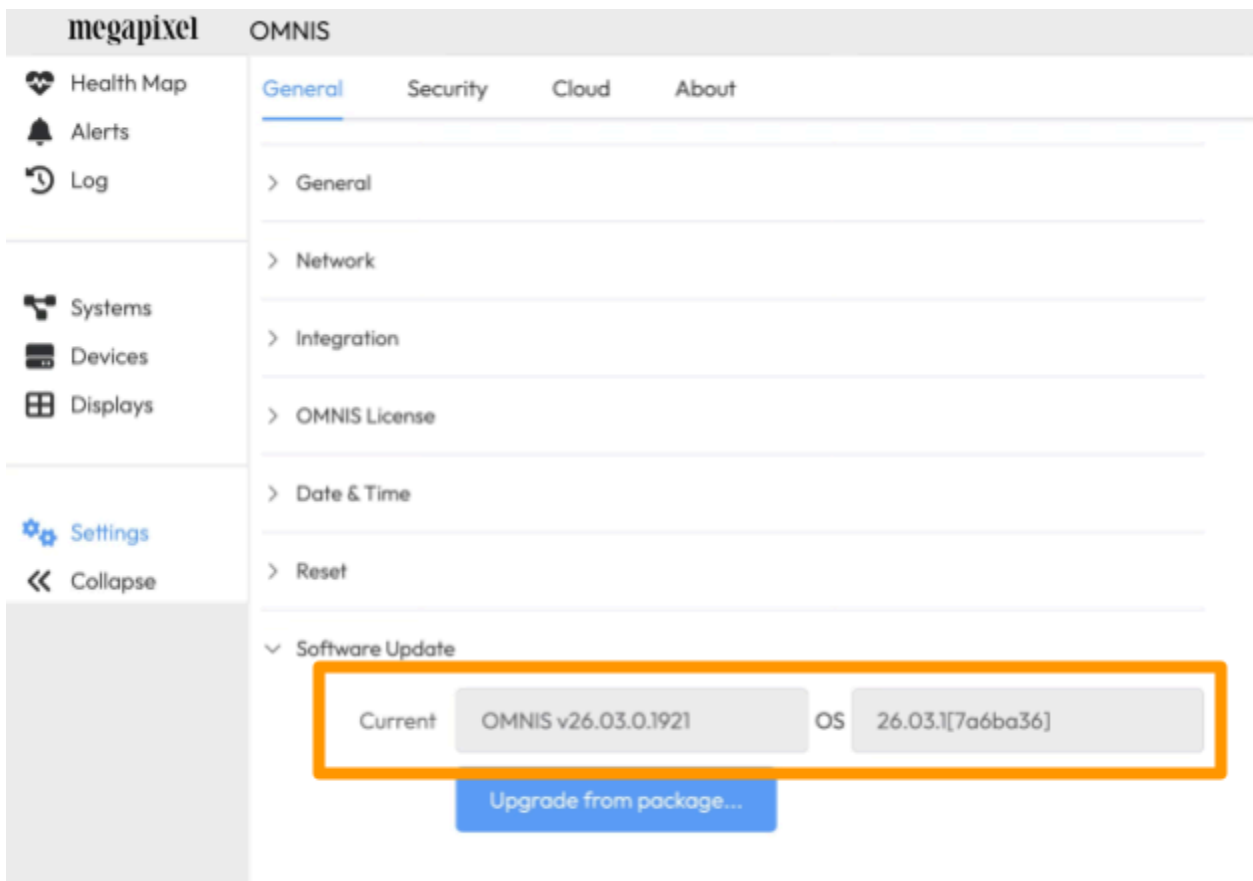
There will be a brief moment where the unit is unreachable while it is updating.



Once the upgrade is complete, there will be a welcome back banner at the top indicating the upgrade was successful.



Updated software versions will be shown under the Software Update accordion:



OMNIS v26.03.0

Version Information

After updating, the following should be displayed as the current version:

Device	Version
OMNIS Software	v26.03.0
OMNIS OS	v26.03.1

IMPORTANT UPGRADE NOTES

- 1. There are two separate upgrade packages in this release, one for the software, and the other for the underlying OS. Both are required. We recommend:**
 - I. Upgrade OMNIS Software**
 - II. Upgrade OMNIS OS**
- 2. OMNIS MVR-0061 units require at least v26.03.0 and may not be downgraded to prior releases. OMNIS R1 units may be downgraded to v21.07.0**

Officially Supported Devices

- Megapixel HELIOS LED Processing Platform
- Barco Infinipix
- Colorlight EV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- NETGEAR Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution
- Simple HTTP Devices

Improvements

- OMNIS MVR-0061 support
- Added visibility into overall redundancy state across all monitored displays
- Added refresh, pop-out, and close controls for iframe-based views [omnis#660]

Bug fixes

Alerts

- Replaced “Accept deviations” modal with a non-blocking popup for improved workflow
- Fixed issue where unexpected receivers were shown when tiles flip to redundant processors [omnis#632]

Displays

- Display titles now correctly use the display’s assigned name

Health Map

- Fixed canvas re-creation issue causing memory leaks [omnis#654]
- Improved zoom-to-fit behavior to ignore inactive displays

Logs

- Restored “Clear Logs” functionality [omnis#659]
- Fixed column truncation behavior for long text entries [omnis#663]
- Tags now correctly populate on page load [omnis#667]

Systems

- General UI tidy-up improvements
- First system now expands by default
- System editing deemphasized to reduce accidental interaction
- Direct linking added for iframe-unfriendly devices

Settings

- Site name now syncs with CLOUD agent name [omnis#651]
- Disabled editing of site name, color, and HTTPS settings for users without permissions
- UI now correctly reflects access restrictions [omnis#665]

Known Issues

- Novastar gamma control not functioning correctly [omnis#293]
- Nova tiles may disappear when switching between redundant processors [omnis#370]
- Health map may show incorrect state during redundancy transitions [omnis#444]
(partially fixed)
- Deviations for tiles on redundant processors may not display or dismiss correctly [omnis#634]
- User-initiated “go backup” logs may trigger incorrect redundancy alerts [omnis#526]
(partially fixed)
- Panels may remain marked as failed over after returning to normal state [omnis#590]
(partially fixed)

Previous Releases

OMNIS v24.01.0

After updating, the following should be displayed as the current version:

Device	Version
OMNIS Software	v24.01.0.1726

Officially Supported Devices

- Megapixel HELIOS LED Processing Platform
- Barco Infinipix
- Colorlight EV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- NETGEAR Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution
- Simple HTTP Devices

VERY IMPORTANT NOTE: There have been significant changes to the database model that prevents downgrading below v21.07.0. Once OMNIS has been upgraded to this release, it is not possible to downgrade back under any circumstances and attempts to downgrade will result in an error.

Improvements

- New Megapixel branding!
- Added baseline support for M8 processors (#147).
- Added support for NETGEAR M4250 switches (#172).
- New and extra tiles are now flagged as a deviation (#180).
- Log can have custom, user log entries (#226).
- Log has extra filters, and it's possible to export the log to CSV (#227).
- Baseline deviation accepts are now logged (#243).
- HELIOS network switch baseline support added (#274).
- Improved devices table: show processor input details, support stitched inputs & enable sorting by setting tag (#400).

- Added ISAAC iframe support (#581).
- Overall performance improvements (#562 / #597).

Bug fixes

- Factory reset not clearing all logs (#264).
- Adding Novastar using auto-determine, makes the Novastar crash (#285).
- Confusion with redundant HELIOS processors with the same name (#404).
- Remedy for Novastar's connection unreliability (#451).
- Querying SNMP device takes long time (#565).
- Deviations mismatch between healthmap and alerts page (#572).
- Double click on Displays button shows 404 error (#574).
- Novastar time-out breaks polling cycle (#575).
- OMNIS licence broken (#577).
- Processor alerts don't clean up (#589).
- Alerts count out of sync (#591).
- Deviation time calculated incorrectly (#594).
- Unable to accept tile deviations (#595).

Known Issues

- Novastar gamma control not working correctly (#293).
- Health map showing incorrect state when switching between redundancy states (#444); partially fixed
- User initiated go backup logs redundancy related alerts (#526): partially fixed
- Panel is marked as failed over, when it no longer is (#590); partially fixed
- Nova tiles AWOL when moving between redundant processors (#370).

OMNIS v22.10.1

After updating, the following should be displayed as the current version:

Device	Version
OMNIS Software	v22.10.1.1585

Officially Supported Devices

- Megapixel HELIOS® LED Processing Platform
- Barco Infinipix
- Colorlight EV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- NETGEAR Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution
- Simple HTTP Devices

VERY IMPORTANT NOTE: There have been significant changes to the database model that prevents downgrading below v21.07.0. Once OMNIS has been upgraded to this release, it is not possible to downgrade back under any circumstances and attempts to downgrade will result in an error.

New Functionality

- Megapixel CLOUD Support! - OMNIS can now be enrolled and remotely accessed through the Megapixel CLOUD site. This also includes access to the online dashboard health view in the Megapixel CLOUD.
 - <https://cloud.megapixelvr.com>
 - Create a new CLOUD account and enroll OMNIS to your cloud account (via OMNIS' cloud settings).
- Configurable email notifications for deviations and alerts.
 - Requires Megapixel CLOUD subscription.
- Added HELIOS Redundancy support (#326).
- Added redundancy support for Novastar (#295).

Improvements

- Reworked data model to better represent device relationships (#326).
- Toggle to pause system monitoring (#244).
- Added Public API /api/v1/public (#276).
- Licensing via activation key (#346), credit system (#345), and expiry (#44).
- Differentiate between device label (name provided by device) and device alias (name entered into OMNIS) (#338).
- LCD interface no longer wraps on menu selection (#375).
- Reworked OMNIS discovery (mdns/ssdp) (#87).
- Improved support for simple IP-based devices (#259).
- Added temperature monitoring for Novastar panels (#393).
- Additional ISAAC integration (#287).
- Improved active alerts UI/UX (#317).
- Aligned OMNIS global controls with HELIOS (#329).
- Tile string flips are now logged (#239).
- Added list of active client/browser sessions (#394).
- Improved baseline button coloring based on underlying devices (#380).
- Added SNMP system baseline (#212).
- Health map: better differentiate processor states (#445).
- Remedy for Novastar's connection flakyness (#451).
- Health map indicate HELIOS connection redundancy (#452).
- Add adjustable column widths to alerts log (#458).
- Option to disable network discoverability (#478).
- Added genlock sync changes to deviations (#481).
- Added OMNIS Reboot button (#490).
- Added User authentication (#527).
- Active alerts include device's serial number (#532).
- Added HTTPS support (#533).

Bug fixes

- SmartStage PDU device name, green color channel (#319).
- More robust Colorlight communications (#319).

- LCD not resetting on factory default after adding system (#383).
- Pre-populate serial with Docker image UUID
- Processor health should match child severity color (#177).
- Software update raises an error, but still succeeds (#289).
- Accepting a failed-over receiver deviation doesn't work (#419).
- Downgrading to v20.09.0.646 bricks unit (#307).
- Small screens can't see bottom-most menu items (#371).
- Unable to add second Novastar to system (#389).
- LCD firmware version not shown on LCD (#396).
- Accepting an input format deviation fails (#420).
- Deviations aren't removed when baseline is removed (#178 / #179).
- Remove button just puts the device offline (#421).
- Baselining of network switches (#430).
- Novastar blackout on public API doesn't work as expected (#450).
- Added device not showing in system (#462).
- IP Security: CSP & X-Frame-Options HTTP headers (#478).
- Public API get request could reset devices list (#488).
- SNMP device reports device missing on start-up (#493).
- Alerts count doesn't add up (#503).
- Sort alerts by severity (#509).
- Avoid cryptic names for devices that are not connected (#511).
- Factory reset / factory defaults fixes (#522 / #535).
- Panel cabling confusion (#525).
- Editing IP doesn't change it (#537 / #541).
- SNMP devices not shown on devices page (#542).
- Removed processor dimensions baseline rule in favor of relying on the individual tile position deviations (#559).
- Unable to connect to a HELIOS with https redirect + user auth enabled (#567).
- HTTPS - Preserve provided intermediary certs (these were being unintentionally discarded during upload verification). Please re-upload your cert + key. (#1360).

Known Issues

- Nova tiles AWOL when moving between redundant processors (#370).

- Remedy for Novastar's flaky connection (#451): partially solved but needs further improvements.
- User initiated go backup logs redundancy related alerts (#526).
- Cables are not drawn correctly when in HELIOS Jr mode (#561).

OMNIS v21.03.2

After updating, the following should be displayed as the current version:

Device	Version
OMNIS Software	v21.03.2.935

Officially Supported Devices

- Megapixel HELIOS® LED Processing Platform
- Barco Infinipix
- ROE eV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- NETGEAR Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution

Bug fixes

- Expose option to configure DNS.

OMNIS v21.03.1

After updating, the following should be displayed as the current versions:

Device	Version
OMNIS Software	v21.03.1.915

Officially Supported Devices

- Megapixel HELIOS® LED Processing Platform
- Barco Infinipix
- ROE eV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- NETGEAR Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution

Bug fixes

- Avoid aggressive caching of index pages (#306).
- Improve backwards compatibility with previous versions (#307).

OMNIS v21.03.0

After updating, the following should be displayed as the current versions:

Device	Version
OMNIS Software	v21.03.0.893

Officially Supported Devices

- Megapixel HELIOS® LED Processing Platform
- Barco Infinipix
- ROE eV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- NETGEAR Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution

New Functionality

- Added Lightware Matrix Router (#282).
- Moved ungrouped systems to bottom of the stack (#282).
- Megapixel logo now takes you to the health map (#283).
- General Nova improvements including some specific brightness & gamma fixes.
- Show processor's input source in processor list.

Bug fixes

- No longer creates an additional empty system when auto detecting a Colorlight processor (#284).
- Hitting enter when creating a tag should no longer reload the page (#286).
- Improve reactivity of system connection icons, which weren't always updating (#273).
- Actually use the provided password when connecting to the device (#288).
- Will now notice when a HELIOS switch goes offline (#274).
- Projectors can now be offset from 0,0 in the health map.

OMNIS v21.02.0

After updating, the following should be displayed as the current versions:

Device	Version
OMNIS Software	v21.02.0.860

Officially Supported Devices

- Megapixel HELIOS® LED Processing Platform
- Barco Infinipix
- NETGEAR Managed Switches using SNMP
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor

New Functionality

- Editing/removing user tags (#219).
- System grouping (organize systems in groups) (#248).
- Email notifications (via OMNIS Cloud) (#262).
- Unlicensed systems may monitor one system, with limited logging and no baselining (#231).
- LCD now features a menu for setting the IP and setting factory defaults (#229).
- Redesigned devices page to contain all devices (except tiles) in one overview.
- All types of devices can now be moved around the health map (using offset).
- Option to toggle visibility of health map's labels & cabling (#250).