OMNIS Monitoring System

Release Notes v22.10.1

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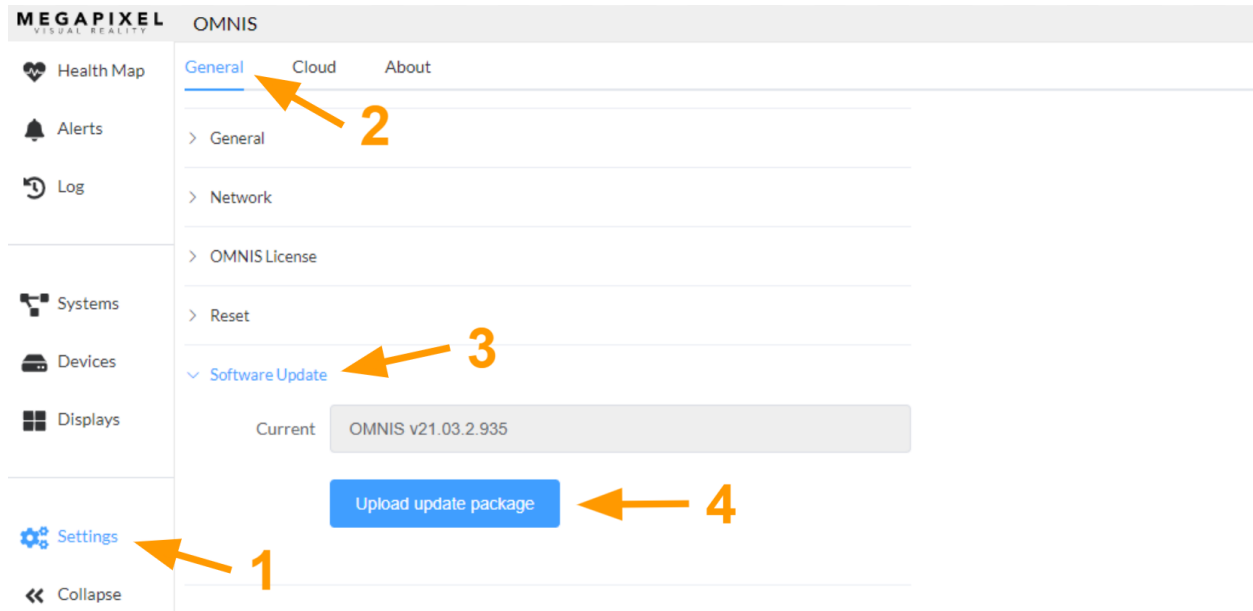
Contact

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http://megapixelvr.com

Introduction

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

http://www.megapixelvr.com/support/
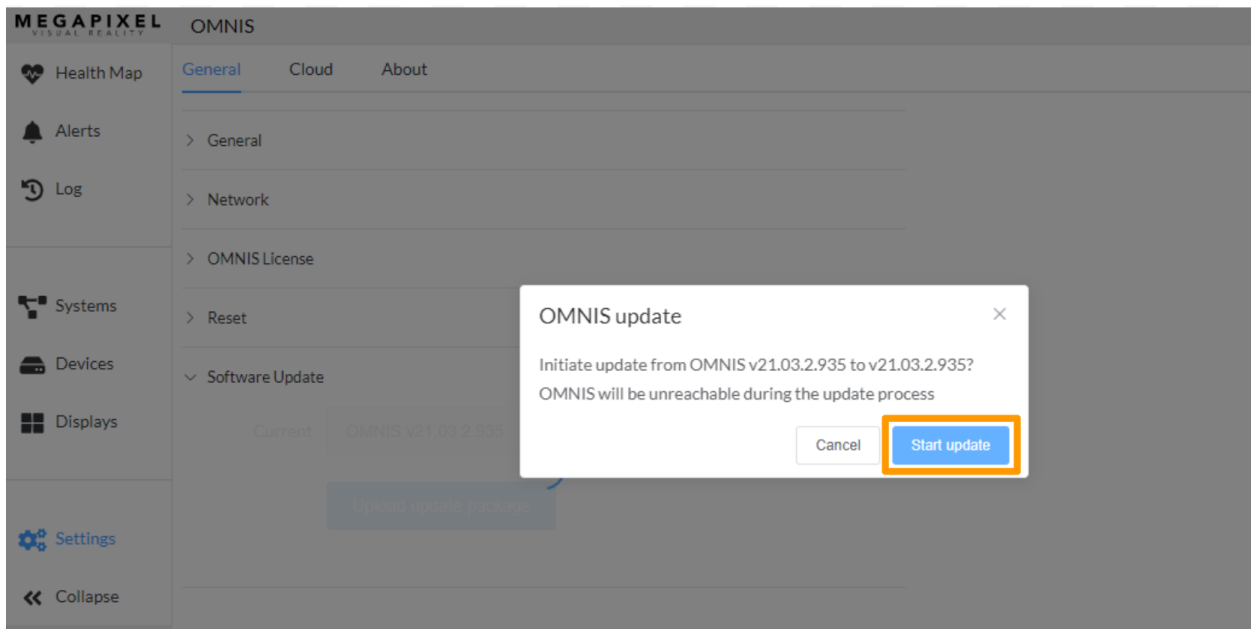
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OMNIS Upgrade Instructions

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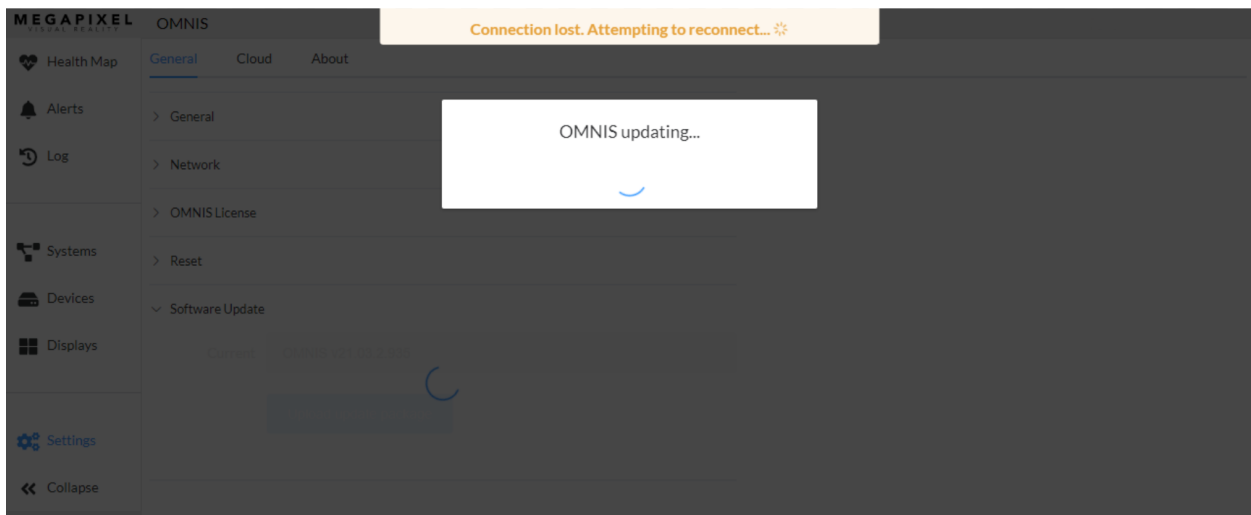
Once the upgrade is complete, there will be a welcome back banner at the top indicating the upgrade was successful.

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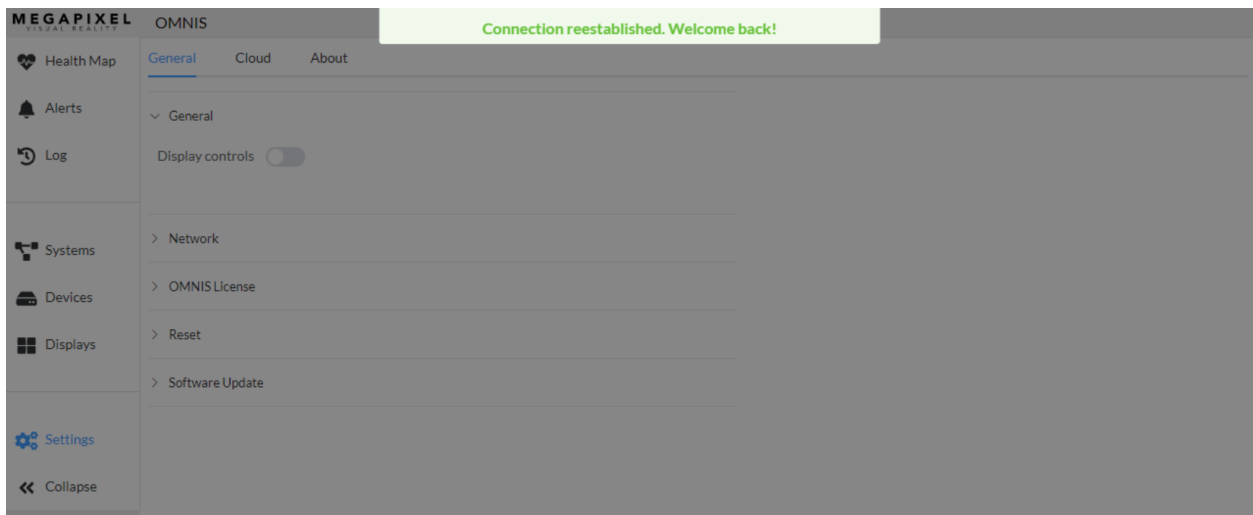
The new software version will now be shown under the Software Update accordion.

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Version Information

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

Device	Version
OMNIS Software	v22.10.1.1585

Officially Supported Devices

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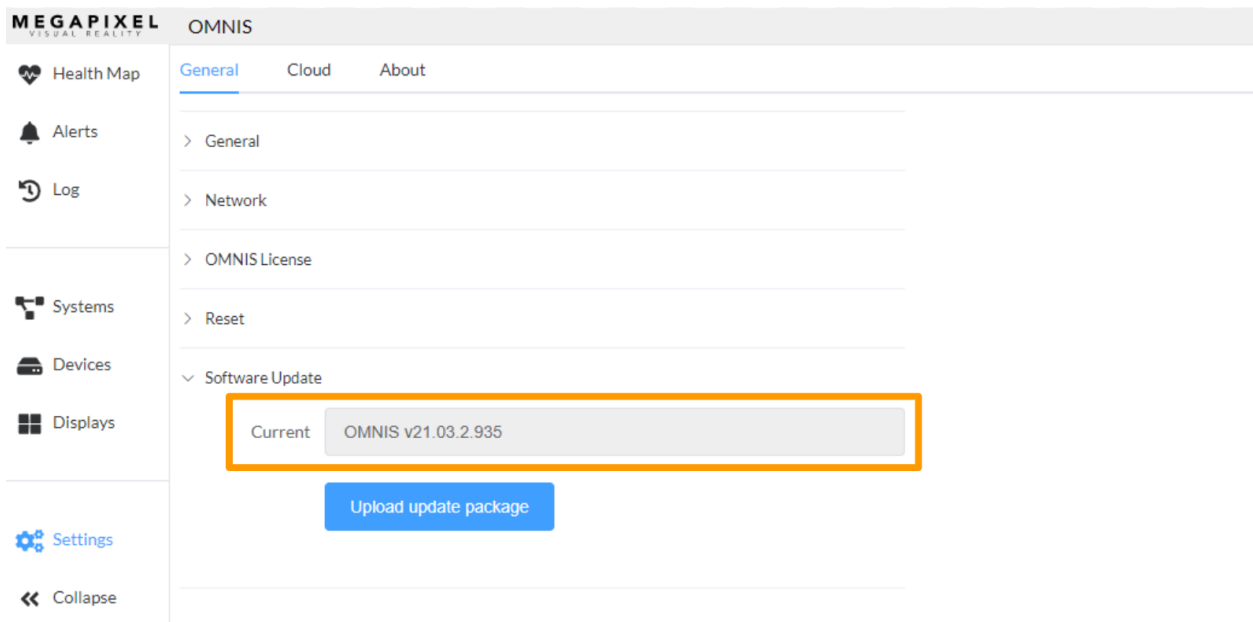- Colorlight EV4 LED Processor
- Lightware Matrix Routers (MX2 family)
- Netgear Managed Switches using SNMP
- Novastar LED Processors (MCTRL4K, VX4S)
- Projectors supporting PJLink protocol
- Revolution Display M8 Processor
- StageSmarts Power Distribution
- Simple HTTP Devices

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 MVR Cloud site. This also includes access to the online dashboard health view in the MVR 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 MVR Cloud subscription.
- Added HELIOS Redundancy support (#326).
- Added redundancy support for Novastar (#295).

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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).

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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).

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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).

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PREVIOUS RELEASES

Version 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 Processor
- 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.

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Version 21.03.1

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

Device	Version
OMNIS Software	v21.03.1.915

Officially Supported Devices

- Megapixel HELIOS Processor
- 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).

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Version 21.03.0

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

Device	Version
OMNIS Software	v21.03.0.893

Officially Supported Devices

- Megapixel HELIOS Processor
- 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).
- MVR 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.

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Version 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 Processor
- 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).

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