



Updating Vision HW to v2.5.0 on Routed Networks

Autoscope Vision

Date: 13 November 2018

Document Number: AN2170

Introduction

The purpose of this document is to describe the procedure for updating Vision hardware to v2.5.0 in a routed network environment where the “Add by IP Address” option is required. While covered briefly in the Software Release Notes for v2.5.0 software/firmware, this document provides more complete instructions on updating to v2.5.0 firmware, and then adding the devices back into Supervisor by IP address, which is required due to changes in the ports used.

What has changed?

In v2.5.0 there is a new capability to be able to assign specific communication ports, which enables port forwarding in cellular and other routed networks. In addition to the additional capability to define the ports, the default port used has changed to make the system more secure.

When updating hardware to v2.5.0 from previous versions over a routed network environment, such as are often used from a TMC to the Vision system at the intersection, the port changes described above results in the need to add the devices back into Supervisor by IP address after the firmware update is performed. This is because the default port used by the “Add by IP Address” feature in v2.5.0 has changed to 30000 from its previous value, which was not editable. In the long term, it provides for updated communications capabilities and a more secure port usage scheme.

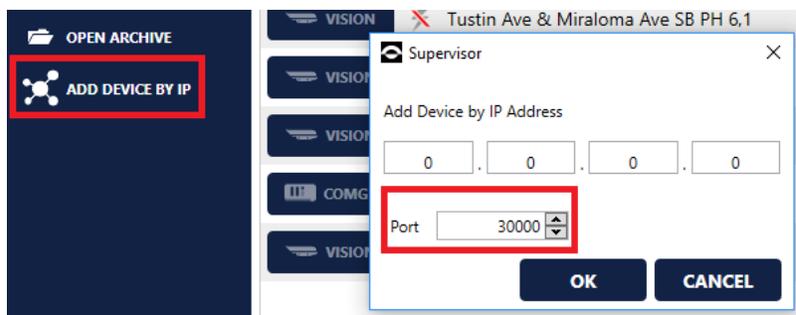
The result of this is that when upgrading Vision equipment to v2.5.0, if not on a flat network where the learn process is automatic, you will need to relearn the system by IP address with the previous default port, then learn again using the new default port after the update.

Note: This procedure is only needed with routed type networks when the Comm Manager cannot be “learned” automatically as can be done on flat networks. For instance, local upgrades done via the Maintenance or WiFi port do not need this procedure.

Procedure for Updating Vision Hardware to V2.5.0 and adding by IP

To update hardware to V2.5.0 firmware when connected through a routed network use the following procedure:

- 1) Open the Supervisor v2.5.0 software, click the “Add by IP Address” selection to add the Comm Managers and their connected Sensors into Supervisor. Repeat this process for each Comm Manager.





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- 2) Add in the IP address of the Comm Manager as you had done when adding to the previous Supervisor version, except replace the default port of 30000 shown in the new port selection area to port 51516 (the default for previous versions), then click "OK".
- 3) After clicking "OK" and the devices are added into the Supervisor list, go ahead and update them to v2.5.0 firmware as you would normally.

Note: Once the hardware has finished its update, the port on the hardware will have been changed to the new default of 30000. The hardware may not show online, or at all in Supervisor, in which case proceed to step 4. If it is shown online in Supervisor, you do not need to follow steps 4 & 5, but note that in the future if it does need to be re-added by IP address, use the default port 30000 (you may change the port in the Comm Manager's Device Settings).

- 4) Now go back to the "Add by IP Address" option and again type the IP address, and this time use the default port of 30000, then click "OK".
- 5) The devices should appear back online in the Supervisor list and should not need to be re-added when future firmware updates are done.

Note: Due to latency issues, updating firmware over cellular networks is not recommended.

If you have any questions on the above procedure please contact the Detection Support team at detectionsupport@econolite.com, or at 800-225-6480.