



Product Type: **Autoscope®**

Reference: AN2092

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Autoscope® Terra™ Software Suite – Version 9.1.0 (5 February 2008)

Purpose

Please install this version 9.1.0 software upgrade to benefit from:

- Improved TAP communications to the Solo *Terra* sensor
- Parallel installation of software for faster upgrade
- Mouse & Monitor capability for all *Terra™* Technology products
- Web/HTML-based Help (especially for Vista users)
- Support for Darwin Streaming Server operation to provide multiple video streams from a single unit

This note can help you quickly learn the benefits of software version 9.1.0 on your Autoscope® *Terra™* Technology products (including the Autoscope Solo® *Terra* MVP sensor models, the Autoscope *Terra* Access Point DPM models, and the Autoscope RackVision™ *Terra* MVP models), and the Autoscope Image Sensor products. This note also supplements the more detailed information in the version 9.1.0 ReadMe file found on your CD and in the Start menu selection.

Should I Install Version 9.1.0?

Yes. We recommend version 9.1.0 as an upgrade that resolves many particular issues for more robust operations and that introduces new features. If these changes will not help your application of Autoscope equipment, you do not necessarily need to upgrade from the earlier 9.0.2 version. For assistance with the decision to install version 9.1.0, please contact Autoscope Technical Support.

The InstallShield® process on your CD will copy files to your computer's hard disk and create icons on your desktop for easy execution of all programs. The Autoscope *Terra™* Software Suite supports MS Windows XP and Windows Vista operating systems, including their easy install and uninstall processes. For Windows Vista users, there are small limitations and workarounds in installation.

You can run the version 9.1.0 software on the same computer at the same time as version 8 software for the Autoscope Pro line of products. Each version maintains its own database and operates independently. Desktop icons easily select the desired version of the Autoscope Software Suite.

What's New in Version 9.1.0?

The 9.1.0 release introduces the Mouse & Monitor feature for *Terra* Technology for easy configuration of basic stop line and advance extension detection in intersection applications. This feature is particularly useful in reconstruction projects to maintain actuated detection when shifting lanes during construction activities.

Version 9.1.0 improves the EasyLink™ communications between the Solo *Terra* sensor and the TAP detector port master (yellow flash). Adaptive IP Optimization allows the Solo *Terra* sensor to give priority to the TAP I/O. A number of other "Large System Support improvements" make it easier to setup and maintain networks of multiple Autoscope *Terra* devices. The release provides parallel software installation for speedier upgrades.



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Installation Tips

Please return your software license registration card so you will receive the next major release. If you know that a license moved to someone else in your organization, you can also contact your Autoscope representative to make the name change.

For your Autoscope Pro line products, please continue using version 6.03 of the Autoscope Software Suite for the Autoscope Solo (B&W) MVP sensor and Autoscope Solo Hub. Please continue using version 8.32 of the Autoscope Software Suite for the Autoscope Solo Pro II MVP sensor, 2020 MV, and RackVision MVP. If 8.32 software does not serve your application, you can use Version 8.13 for your Solo Pro (1) MVP sensor.

For Windows Vista users, please consult the ReadMe file for more installation tips. You may need to disable the Windows User Account Control. Please install the 9.1.0 software by running SETUP.exe from your Autoscope Software Suite CD with the "Run as Administrator" option.

We recommend installing the new 9.1.0 software in the suggested directories (destination location) and program folders. For a complete installation, you will need about 140 Meg of disk space. If you have installed any Beta versions of pre-release version 9.1.0 software, we recommend uninstalling these previous versions.

While installing the Autoscope Terra Software Suite on your PC, deleting the Registry entries may cause the previous version 9 database files to not copy into the new Program Files\ISS Autoscope directory. For example, if you open the new Network Browser and it does not show your list of Autoscope units, the previous database files were not copied during software installation. You can copy the Database folder from your older Autoscope software directory and paste into your new Autoscope software directory.

When asked to replace older versions of the AIS Camera Zoom Control utility, we recommend a search of your entire computer to replace this utility (begin search at c:\). This process will save the old versions of the utility and provide a report of where the new version was installed. This search avoids future problems.

When asked about shortcut icons, we recommend that you place all shortcut icons on your Desktop.

This will help you quickly go to Autoscope Network Browser, to the AIS Camera Zoom Control Utility, and to your My Autoscope directory.

Later, you may want to create more shortcuts to help you manage your data and detector files in your My Autoscope directory. This will especially help with programs like Microsoft Excel or Explorer. For example, you can create a shortcut on your desktop to your intersection files directory. There are several different ways to create shortcuts, including Autoscope Network Browser or Windows Explorer.

We recommend organizing your My Autoscope directory for new and existing detector files, bitmaps, operations logs, and data. Please create a separate directory for each intersection (e.g., Broadway @ Main Street) and within this directory, create a separate directory for each Autoscope MVP (e.g., NB Main Street @ Broadway).

Before upgrading your Autoscope MVP to release 9.1.0, please remember to retrieve the operations log, any stored traffic data, and your existing detector layout file.

For proper operation of Configuration Wizard, please first install the 9.1.0 version on your Autoscope MVP. Note that you can now enter a Custom Lat-Long coordinate in place of a City name.



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Known Problems and Workarounds

Some known problems exist in version 9.1.0 of the Autoscope Software Suite. Please see the 9.1.0 ReadMe document for detailed information. Here are some additional comments:

- When installing software on a unit, network traffic or noise can slow the installation. A Learn while installing embedded software may also slow down the installation. You may find that installing on one unit at a time will be fastest at a particular site.
- Please use this version 9.1.0 of the AIS Zoom Control utility for setting all AIS Cameras. It also supports setup of the AmberVision camera for traffic applications. Here are some tips. If you suspect a focus problem in an existing camera, please note your current zoom setting, press the Restore Default button, and then change the zoom to the proper setting. For a quicker connection to the camera, activate the modem (by pressing the zoom button or trying to connect) before connecting the coax to the camera.
- In the AIS Camera Zoom Control utility, you may see the 'Tunnel Installation' box checked when first connecting to a camera. The 'Tunnel Installation' feature sharpens the image for better performance in tunnel applications. Please deselect this option for most outdoor applications, which improves detection performance.
- When switching between versions of the Autoscope Terra Software Suite, such as between 9.1.0 and 9.0.2, the wrong client application version may start. For example, Detector Editor version 9.0.2 may start from Network Browser version 9.1.0. To avoid this problem, please run Administrator Only Register Clients from your Start Autoscope menu before starting a different version of Network Browser.
- In the Configuration Wizard, you should not draw a detection object close to the edge with the mouse. This can raise the Load Index. When close to the image edge, use the cursor keys to move the detection zone.
- You may find it is easiest to select the 'Existing Properties on the Autoscope' option in Configuration Wizard. However, you can save time by selecting 'Properties entered for the previous Autoscope' to configure the additional cameras after setting up the first one—but there are some bugs. To workaround this behavior for the additional cameras, make a note of the IP Address in Network Browser or by selecting 'Existing ...' and then go Back to select 'Previous ...' to manually enter the IP Address. Note that we recommend against selecting the 'None' option because it will erase the network settings by the TAP auto-learn process.
- Typically, the Configuration Wizard will save the JPEG image of your calibration scene as part of the detector file. If you change this default image type in Detector Editor, the Configuration Wizard may not save your calibration bitmap image in your detector file. Please save your calibration bitmap separately.
- In the Intersection Wizard, please remember to run the TAP wizard. For TS2 outputs, the TS2 setting is not remembered from one camera to the next. Please check your output selection before you draw detection zones.
- The Intersection Wizard can overwrite the detector output assignments when working at an existing installation. Be sure to save existing detector layouts first with a different file name.
- In the Highway Wizard, an error message showing "(10113) Cannot start empty poll list" is shown after successfully downloading the detector configuration. By selecting OK to the error message and then choosing Cancel in the wizard dialog, you can exit the wizard. To start polling in Data Collector, select 'Start Reading Persistent Poll List Data'. Then, at the warning prompt stating "The Communications Server already has a Persistent Poll List for the Autoscope shown below," select Yes to delete the extra poll list to begin polling.



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- You may need to adjust detectors drawn in the Configuration Wizard or the Mouse & Monitor feature for some applications. For example, you may need to lengthen and thin the Presence detectors in low-angle views across large intersections. For some oblique views like strain pole installations, you may need to swap positions of the two farther away Presence detectors in each lane. Please use Detector Editor to make these changes.
- You can modify a detector layout with the Mouse & Monitor feature, but you cannot go back to the original layout. To save a backup copy, you must use a laptop.
- If you use the Mouse and Monitor capability to customize the IP Address, please verify the Subnet Mask.
- In the output video, Speed detectors may not display correctly because of their angle. Only the output video display is affected—detection performance is not affected. Note that you can invert the outputs in TS1 or TS2.
- Data Collector may save data into My Autoscope instead of My Autoscope\Polling Data. This depends on your Options settings in Data Collector. Go to View:Options Data tab to change the data directory.
- In Data Collector, you can add a description to the data folder name. This makes the folder name easier to find than just the CPU ID. Go to View:Options Data tab to change the directory name to Approach & Phases.
- In the Operations Log, we can now decode various Internal Error messages. For example, the log may not show Severe errors even though the Front Panel shows Severe errors. A high number of errors may be developer's log messaging that is not severe. If you see detection performance problems and restarting the unit does not help, please contact Autoscope Technical Support.
- In Property Editor, you can troubleshoot communications issues with the TAP in the Advanced Comm tab and verify that the 'Adaptive IP Optimization' feature is active. In addition, in Network Browser, you can display the 'Use Adaptive IP Optimization' column in Field Chooser.
- In Video Player, you can speed your video stream by first checking the basic settings. Select MPEG-4 Color (RSTP) as the type of image to view. In View:Options General tab, please enable the 'Accept existing settings when another client is streaming MPEG-4' option.
- When streaming video with QuickTime, please use version 7.1.3 or greater. Note that streaming video over an Internet connection requires the network routers or firewall to allow RTSP video streams (RFC 2326).
- To use the new Web HTML Help, you must enable JavaScript and appropriate Active X controls on your PC. Because Windows Vista does not support the older Help files, please use Web HTML Help.
- In the TAP, a time synchronization can cause errors in Operations Log that have no performance impact. Note that TS1 green inputs are not assignable because of a bug—please continue your standard wiring practice.

Documentation & Assistance

After installation of the Autoscope Software Suite, you can select a shortcut from the Start menu to view and print the various Installation Guides, User's Guides, User Manual, ReadMe, or the various Help files. For more information, please see the 9.1.0 ReadMe document.

Please contact your Autoscope representative or Autoscope Technical Support for assistance. For more information, please see Autoscope.com. For Econolite customers, please direct questions or comments to Autoscope Technical Support at 800-225-6480, +714.630.3700, or Support@Econolite.com. For ISS customers, please direct questions or comments to Autoscope Technical Support at +651.603.7700 or Support@ImageSensing.com.