

## Welcome to FrameScope™ Pro!

### Important Note for FrameScope Pro Customers

Please refer to the FrameScope Pro User's Guide and Software Upgrading Guide for detailed installation instructions. The notes below describe important information about issues resolved in this release.

### FrameScope Pro Release Notes for Version 7.0.5

#### Issues Resolved with this Release

1. The RFC 2544 test now works more stable in a stacked VLAN ("Q-in-Q") environment.
2. An active IPTV test, using the *Terminate* mode, is now stopped by pressing the OK hard key. The touch screen is no longer used for stopping the test.
3. Short Ethernet frames with CRC error are now counted as CRC error frames in the Statistics tool.
4. The Traffic Generator tool now supports the CRC error option when VLAN is configured on the test interface.
5. The intermittent crash that could occur when erasing the station list is now resolved.
6. IPTV test suites can now be properly downloaded via FTP even if the file is not in the FTP server's root directory.
7. The IPTV Java report now displays properly when the Windows regional setting on the PC accessing the FrameScope's web interface is not US-English.
8. The IPTV test now accepts values less than 0.1% as the packet loss ratio threshold.
9. The IPTV test now logs the number of received UDP packets with checksum error.

#### New Features Added

1. The IPTV test now supports passive monitoring mode, video streams with VLAN tagging, and the measurement of packet loss distance and loss period (according to RFC 3357). These new features are enabled by software license option N2620A-071.
2. The new "Packet Error Rate Test" tool is available under Performance Tests. It generates traffic to the network and measures the frame loss/ frame error rate on the receiving side, for up to 24 hours. The new function is available to all users. It requires a pair of FrameScope Pro.
3. The VoIP test now supports the H.248/Megaco protocol. The FrameScope Pro functions as a media gateway and establishes a VoIP session under the control of a media gateway controller. This new test is enabled by software license option N2620A-032.
4. The Ping tool now supports sending jumbo ping frames with a length of up to 9 KBytes.

## Known Issues (updated in this release)

1. Wiremap Test does not give results for the shield. A red cross will always be present.
2. RFC 2544 test may occasionally cause the system to hang and require a reboot when the test has been repeated many times.
3. AUX port status may be wrong after a warm restart. A warm restart is required, for example, after restoring the default factory settings. Re-inserting the AUX port cable or power-cycling the system may be required to update the AUX port status.
4. A Packet Error Rate Test via direct cable connection between two FrameScope™ Pro may report a small number of lost frames.
5. FrameScope Pro VDSL2 test using the external Vierling VIT-V2 modem has the following limitations:
  - a. the unit displays an incorrect version information for VIT-V2 with firmware version 1.0.3pre6
  - b. Tx Power must be divided by 10
  - c. Interleave Delay is incorrect
  - d. SNR graph is not shown.

## Special Notes (updated in this release)

1. The Java™ Virtual Machine requires more memory when loading very large test results. You can increase the Java™ heap size in the Java™ Control Panel: on the *Java* tab, in the *Java Applet Runtime Settings* panel, click *View*. Double-click the *Java Runtime Parameters* field, enter **-Xmx384m -Djavaplugin.maxHeapSize=384m** and click *OK*.
2. Do not insert a CompactFlash™ card into FrameScope Pro during an active test (e.g., RFC 2544 test), as it may cause the system to hang. Please insert the CF card before starting any test. Use only industrial grade CF cards or the card that is supplied with the FrameScope Pro.
3. In order for the FrameScope Pro Remote Host utility to work correctly, the following steps have to be carried out:
  - a. Edit the *Security* settings in the *Internet Options* found in either *Control Panel* or the *Internet Explorer's Tools* menu.
  - b. Select *Internet* and click on *Custom Level* and look for *Initialize and script ActiveX controls not marked as safe*.
  - c. Select *Enable* and click *OK*.
  - d. Please remove any old versions of the FrameScope Pro Remote Host utility from your PC before installing the latest version.
4. Before upgrading the instrument software, please remove the CF card and select **Format Internal Memory** within the **Restore Default Settings** screen in the **System Menu**.

After upgrading the FrameScope Pro to the latest version, please cycle the power after the unit has booted up.

5. In order for Java™ Reports to be displayed, Java™ Virtual Machine (JVM™, a component of the Java™ Runtime Environment) from Sun Microsystems™ version 1.4.2 or higher is required.

To verify that JRE is installed, please visit <http://www.java.com/en/download/help/testvm.xml>

or

From your desktop, select the *Start* button.

Select *Run*.

Type "WJVIEW" in the *Open* text box, then click *OK*.

A pop-up window will display the JVM™ version.

If the Java™ Virtual Machine is not installed or older than 1.4.2, please download the latest version from <http://www.java.com/>

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Release Notes for previously released FrameScope™ Pro software are available on [www.framescope.com](http://www.framescope.com)



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