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Tektronix

VQS1000 Video Quality Test Suite  
Release Notes  
DATE: 2nd June 2010  
077-0492-00

This document supports software version 1.4.069.330.  
www.tektronix.com

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## Features

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VQS1000 software will detect common video problems in compressed unencrypted transport streams, the data may be read from a file or read from a network source.

The Tektronix DTV monitor series have been modified to be a suitable network stream source for the VQS1000. When operating with a DTV monitor the VQS1000 is able to monitor each service in an MPTS in series, it is also able to signal video quality issues to the DTV device to integrate into the log.

## Supported Operating Systems

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Windows 7 32/64 bit  
Windows XP 32 bit SP3

## Recommended platform

The recommended platform for this program is a Core i7 Quad core (eg i7 920) or the server equivalent (eg E5520) with 2GB of RAM or 4 GB if using windows 7 64 bit.

## Installation

1. Obtain dongle and option key from Tektronix Inc.
2. Download "VQS1000\_Setup.exe" from <http://www.tek.com/downloads/>, search for the model VQS1000.
3. Run VQS1000\_Setup.exe (this may require an internet connection to update the .Net framework if v3.5 SP1 is not already installed). Once the installer has finished insert the dongle before selecting the option to run the software.
4. Run the software and enter your option key (Select license management... from the help menu).
5. The software is ready to use.
6. If you wish to use DTV monitors as live stream sources, then check they each are running v4.5.068.330 of their firmware. Then use the Decode tab on the Configuration dialog to select the VQS1000 as your 'player'

## Known Issues

During testing a number of issues were identified and found to be of low importance and not fixed for this release.

- CR00257676 - When using a DTV network source, polling on the DTV should be disabled.
- CR00257668 - Cannot analyze very small TS files, eg 2 MB.
- CR00257612 - VQS doesn't save video bitrate alarm configuration.
- CR00257690 - VQS doesn't save alarm configuration when shut from DTV UI.
- CR00257623 - VQS writes logfile information to a file with extension ".txt" rather than ".xml"
- CR00257657 - "Use polling" is unclear, it is always enabled but only applies when a DTV network source is in use.
- CR00257670 - Encrypted streams are not indicated in the user interface.
- CR00257559 - Only 16x9 and 4x3 aspect ratios are displayed.
- CR00257685 - Blockiness sensitivity is not adjustable, there is a slider in the UI that is for the display only which could be confusing.
- CR00257559 - Only 16x9 and 4x3 aspect ratios are displayed.
- CR00257723 - when launched from teh DTV RUI it is not possible to change the GPU decode status. The setting may be changed by starting the VQS1000 from the start menu, changing the setting and closing the application.

## Versions

VQS1000 = 1.4.069.330  
MTM400 = 4.5.068.330  
MTM400A = 4.5.068.330  
RFM300 = 4.5.068.330  
QAM400A = 4.5.068.330  
IPM400A = 4.5.068.330  
Java = v1.6.0\_18