

MultiSync MD Series: Quality assurance made easy

MultiSync MD Series displays are designed for impeccable image performance over their entire lifetime. Each unit is factory calibrated to the DICOM GSDF standard, and most models feature built-in sensors to ensure that this calibration is automatically maintained.

NEC offers several methods for ensuring that your MultiSync MD Series display is performing at an optimal level, including the fully featured GammaCompMD™ QA software, standalone calibration and a Quick QA feature on select models.

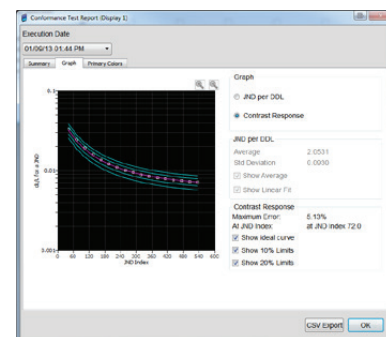
GammaCompMD QA

Every MultiSync MD Series display comes with a copy of NEC's full-feature quality assurance software, GammaCompMD QA Client. This software is recommended for calibration and quality assurance testing of the displays.

GammaCompMD QA can calibrate all MD Series displays listed on the next page to DICOM GSDF and can perform conformance testing to the AAPM TG-18 standard, providing a report of the displays' performance. These tests can also be scheduled to execute at times when the workstation is not in use. The software keeps a record of past calibrations and conformance tests, which is useful for Quality Assurance purposes and can automatically back up data to network locations.

GammaCompMD QA Server enhances the functionality of the Client software by providing a centralized interface for management of all Client installations on a network. Display status is available remotely as well as the ability to perform remote conformance tests and calibrations for most displays*.

For more information on the features and the latest version of the GammaCompMD QA software, visit www.necdisplay.com/GammaCompMD



* Scheduled tests and remote calibration and conformance are only available on displays with a front calibration sensor.

MultiSync MD Series Calibration Options

DIAGNOSTIC DISPLAYS	MD201C2/ MD211C2	MD210C3 /MD211C3	MD211G3	MD211G5	MD212G3	MD302C6
MegaPixels	2	3	3	5	3	6
Front Sensor	Yes			Yes	Yes	Yes
Standalone Calibration Sensor Option	MDSVSENSOR3			N/A	N/A	N/A
Quick Screen QA Feature	Yes	Yes	Yes	No	No	No
Calibration Scheduler	No	No	No	No	No	No

CLINICAL DISPLAYS	MDC212C2	MD242C2	MD302C4	MD322C8
MegaPixels	2	2.3	4	8
Front Sensor	Yes	Yes	Yes	No
Standalone Calibration Sensor Option	MDSVSENSOR3			
Quick Screen QA Feature	Yes	Yes	Yes	No
Calibration Scheduler	Yes	No	No	No

Standalone/Self Calibration

Most MultiSync MD Series displays include a standalone or self-calibration feature. This feature uses an external sensor (NEC MDSVSENSOR3) plugged into a USB port on the display to perform a DICOM calibration without any software.

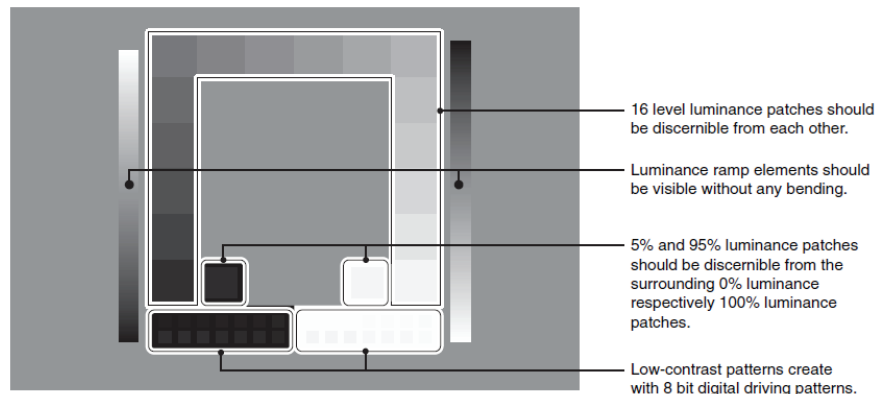
This calibration option is useful for situations where a computer is not available to run the GammaCompMD QA software. It does not provide detailed information on the parameters measured during calibration, so standalone calibration may not be ideal for ongoing quality assurance.



Quick Screen QA

Most MD Series models include a Quick Screen QA feature, available at the push of a button. This feature uses the built-in front calibration sensor on the display and is designed to allow the user to perform a simple visual test, while providing a measurement of the luminance and DICOM GSDP error percentage.

This QA test is ideal for times when a simple visual test is needed and there is a method for documenting the results, as the results of this test are not stored with the display.



Calibration Scheduler

Some models include a firmware-based calibration scheduler. This allows the system administrator to schedule calibrations when the display is not in use, even without a computer signal. The display will wake at the scheduled time, wait for a stable image and then calibration the display. When the calibration is complete, the display will return to sleep.

The results are then read by GammaCompMD QA software and stored in its database.

This technology paper was published in and based on information as of November 2015. Technical information is subject to change.

MultiSync is a registered trademark, and ColorComp and GammaCompMD QA are trademarks of NEC Display Solutions. All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change.

©2015 NEC Display Solutions of America, Inc. and the NEC logo are registered trademarks of NEC.

Cat.No. 25.NEC.80.GL.UN.209 | Rev: 11.17.2015

www.necdisplay.com