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Software

Monitor quality management, including calibration as well as acceptance and consistency testing, in one programme. The software is simple, easy to use and can even perform consistency test measurements fully automatically. The RadiCS quality control tool is capable of end-to-end monitor quality management, starting with calibration and acceptance/consistency testing through to network-supported quality assurance management in conjunction with RadiNET Pro. Moreover, RadiCS is simple to understand, easy to use and suitable for RadiForce and non-RadiForce monitors. RadiCS also allows you to control EIZO's Work-and-Flow functions to deliver user-friendly workflows. This includes, for example, the Point-and-Focus function, which serves to quickly select and zoom in on relevant image areas using the mouse or keyboard.

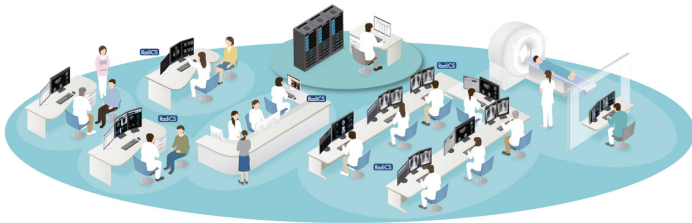
- ✓ Optimal quality control of image reproduction systems in radiological applications
- ✓ Simple user interface for intuitive operation
- ✓ Acceptance and consistency testing according to QS-RL, DIN, PAS1054, AAPM and many other standards
- ✓ DICOM® calibration of tone value characteristic curve, including monitor self-calibration and self-diagnosis
- ✓ Fully-automatic consistency testing with monitors featuring brightness and illuminance sensors
- ✓ Archiving of calibration and test protocols
- ✓ Monitoring of the sensor inside the monitor to control brightness and the tone value characteristic curve
- ✓ Calendar with reminder function for recurring checks of reference and test patterns

RadiCS Monitor Quality Management

IN RADIOLOGICAL USE

Optimal quality control of image reproduction systems in radiological applications

The RadiCS quality control tool is capable of end-to-end monitor quality management, starting with calibration and acceptance/consistency testing through to network-supported quality assurance management in conjunction with RadiNET Pro. With the measurement sensors in modern RadiForce screens for diagnostic reporting, RadiCS can even fully automate consistency testing. The software is simple, easy to use and can even perform consistency test measurements fully automatically. EIZO offers an integrated solution consisting of software and sensors, which makes quality control both efficient and user-friendly.

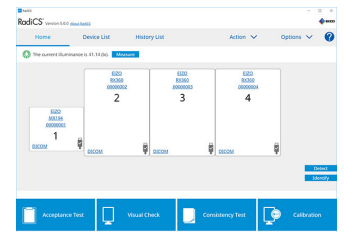
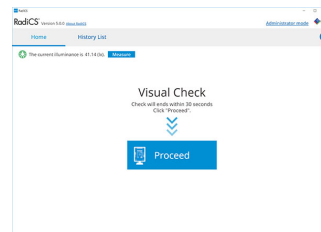


RadiCS provides you with the following benefits:

- Acceptance and consistency testing according to QS-RL, DIN, PAS1054, AAPM and many other standards
- DICOM® calibration of the tone value characteristic curve
- Fully-automatic consistency testing with monitors featuring brightness and illuminance sensors
- Archiving of calibration and test protocols
- Monitoring of the sensor inside the monitor to control brightness and the tone value characteristic curve
- Calendar with reminder function for recurring checks of reference and test patterns

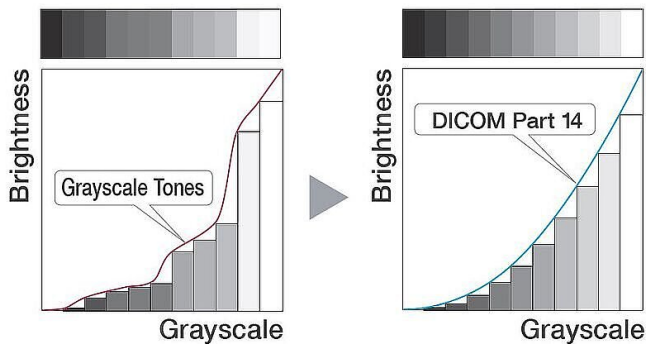
Simple user interface for intuitive operation

Graphics, icons and texts are arranged in such a way that the functions are intuitive and logical based on their appearance. An overview list also allows users to immediately check the status of the monitors. The intuitive user interface makes it easy to calibrate and validate monitors.



Precision calibration

Regular calibration of monitors is key to ensuring consistently high image reproduction quality. Deviations in tone value rendering, which result even during normal use, are reliably eliminated, for example, in accordance with DICOM or CIE.



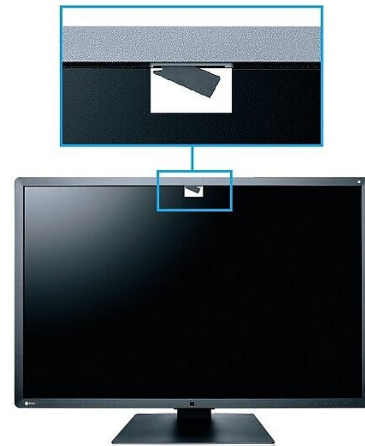
Acceptance and consistency testing

The installation of diagnostic monitors is subject to acceptance testing. Regular consistency tests are also essential. The RadiCS software supports these operations by way of visual checks using test patterns in accordance with DIN and AAPM, as well as luminance, tone value and homogeneity measurements in accordance with DIN, AAPM, IEC and JIS. RadiCS assigns acceptance and consistency tests of body regions/methods from DIN 6868-157 to application classes to allow for unambiguous categorisation during the related testing.

Self-calibration and self-diagnosis

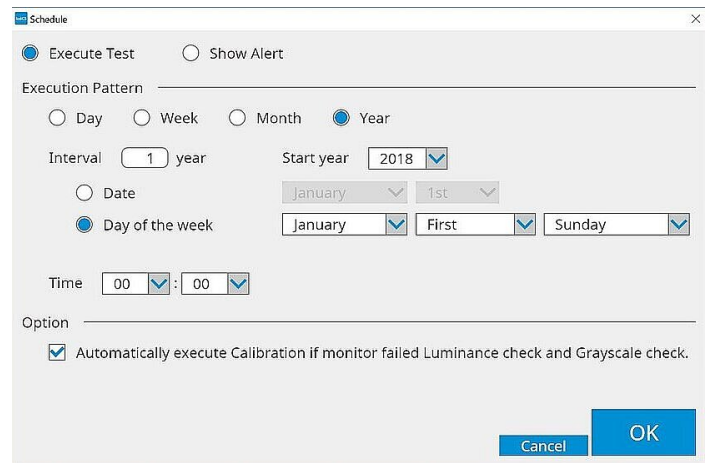
RadiCS can perform self-calibration as well as self-diagnosis on the basis of factory calibration data for each respective screen. Depending on the RadiForce monitor, RadiCS uses the integrated front sensor or built-in backlight sensor for calibration. Self-calibration is performed quickly without a separate measuring device. If unstable or altered brightness levels are detected, an error message is output by the self-diagnosis function indicating

that the hue curve requires recalibration. Self-diagnosis can be configured so that it is performed automatically at regular scheduled intervals.



Flexible scheduling

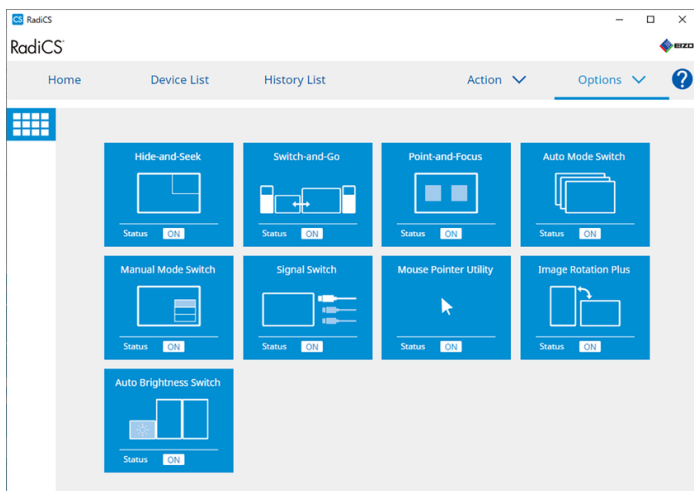
The time for carrying out quality control tasks such as daily visual checks or semi-annual consistency tests can be customised according to the requirements at the respective workstation, for example, when the PC is switched on or immediately after a specific application has been launched.



Optimised diagnostics workflow

To increase work efficiency, EIZO's Work-and-Flow function offers various features in order to provide user-friendly workflows. This includes the Point-and-Focus functionality that makes it possible to quickly select and focus on relevant image areas using the mouse or keyboard. By adjusting the brightness and greyscale levels, surrounding areas are darkened and interesting image regions are highlighted.

[More information about the Work-and-Flow functions](#)



Documentation

Measurement results from calibration operations, monitor validation checks and self-tests are archived for each monitor individually and are available for future reference.

Asset management

Device and model names, the names of the medical institution or department, the description of the installation location as well as other information on each monitor, computer and graphics board can be documented and archived.

Extended service life thanks to automatic shutdown function

The automatic Backlight Saver shutdown function for the backlight on EIZO RadiForce screens can be configured using RadiCS. This extends the service life of the monitors. Similar to a screen saver, they turn off the backlight when the monitor is not in use.

Universal compatibility

Numerous functions offered by the EIZO RadiCS software are also compatible with non-RadiForce monitors. This means that monitors from other manufacturers can also be managed simply and easily.

The perfect addition

If you work with several monitors, we recommend using RadiNET Pro software that allows you to centrally manage the calibration of all monitors, including the data history. This saves you considerable time and ensures uniformly high image quality throughout the entire facility.

[Learn more about RadiNET Pro software \(optionally available\)](#)

