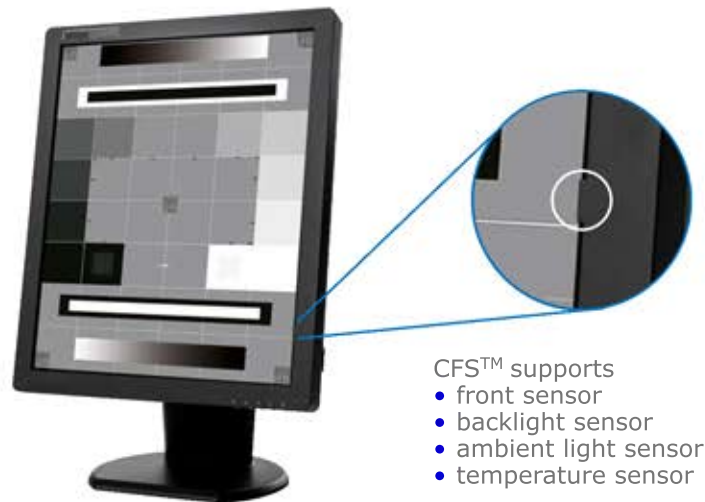




Calibration Feedback System CFSTM™



- Automatic hands-free calibration and conformance to DICOM, ACR, AAPM standards and guidelines
- Remote monitoring and control of enterprise-wide deployed displays via a web browser
- Remote access, status updates and control of deployed displays via desktop, mobile or tablet
- Generates Fleet Reports and log files for a verifiable record of activity and compliance
- No ongoing subscription fees and minimal user intervention required



- CFSTM™ supports
- front sensor
 - backlight sensor
 - ambient light sensor
 - temperature sensor

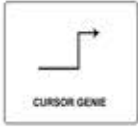


For over 20 years, Double Black Imaging has been recognized as an industry-leading brand by consistently providing the highest quality diagnostic and clinical display solutions to the healthcare industry.

CFSTM™ calibration software is included with every Double Black Imaging display bundle. CFSTM™ calibration package now offers administrators unparalleled access, flexibility and mobility in monitoring their deployed displays.



Key Functions and Features



The Cursor Genie feature improves productivity and reduces frustration by preventing the cursor from getting trapped in the corners of a multi-monitor setup. The Cursor Genie allows the user to move from screen to screen with ease, preventing the cursor from getting stuck in the corners of the screen regardless of the size, orientation and resolution.



The Cursor Wrap feature improves productivity and reduces repetitive motion strain by allowing the user to easily move the cursor from the far left edge of the left-most screen to the far right edge of the right-most screen and vice-versa. One can quickly move from a worklist display on one side of a bank of displays to the voice recognition display on the other side without having to lift and reposition the cursor multiple times cross one or several high resolution diagnostic displays.



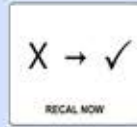
The PinPoint feature improves diagnostic confidence by enabling focused attention on a specific area of interest during a reading. PinPoint provides the user with a rectangle that can be positioned over a region of interest. Images outside the rectangle are dimmed, reducing distraction. The size and magnification within the rectangle are controlled by the user, enabling better distinction of subtle differences.



Calibration and conformance to the DICOM 3.14 gray scale display function is a key feature and ensures that images are consistently presented and perceptually linearized for diagnostic confidence. The DICOM Calibration parameters enable the user to set the frequency and auto-adjust thresholds for White Level and DICOM Compliance tests.



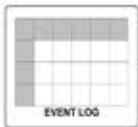
The Conformance Check feature of CFS utilizes sensors in the display to test and check the display to ensure it is within required Luminance and DICOM 3.14 performance targets. It can be scheduled or run on-demand.



In addition to allowing luminance and DICOM 3.14 parameters be checked for conformance, the Recal Now function will also recalibrate the display and bring it back into conformance in the field. This can be scheduled to happen after a conformance check or run on-demand.



Key visual test patterns, such as those from TG-18 are presented to the user and can be selected and run automatically per the scheduler, with instructions and documentation of acceptance. This function provides an easy way to implement certain visual acceptance requirements. The results are logged and available in a report.



The Event Log feature tracks the events pertaining to a diagnostic display or companion workstation and keeps a complete history of activity, including changes to parameter settings as well as calibration and conformance testing. This log can be automatically exported to a network folder to prevent data loss.



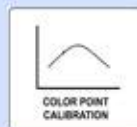
The Report Generator feature enables the creation of various reports to analyze and document display status, calibration data, usage, history and other parameters. It provides useful documentation to auditors interested in the diagnostic display calibration program.



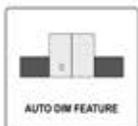
The Ambient Warning feature will monitor the ambient lighting in a room and provide a warning when there is significant change from the baseline lighting. This feature ensures optimum reading conditions for diagnostic interpretation.



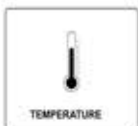
The Luminance Calibrate feature enables users to calibrate the luminance of a display to a preferred brightness target. It can be run on-demand or after a scheduled conformance check. In addition, stable brightness control and backlight sensors will work to keep the luminance stable until the next conformance check.



Color Point Calibration is enabled on color displays only and allows the user to adjust the color point or tint to accommodate user preference and allows the user to match colors from one display to another for consistent image comparisons.



The Auto Dim feature will automatically dim non-diagnostic displays used for worklists, dictation, reports, etc. when the cursor is on a diagnostic display. It reduces the interference and distraction that bright adjacent displays can have on the eyes of the radiologist, thus improving reads and reducing eye strain.



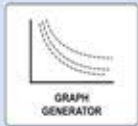
The Temperature feature monitors your diagnostic displays' temperature to ensure the monitor is running at the correct temperature. The temperature alert parameters specify the threshold for when a temperature warning alert or a temperature critical warning alert should be sent to CFS WebManager.



The On-Time feature of CFS allows the user to track the usage of each diagnostic display.



CFS WebManager is software designed to enable administration to easily monitor and control a fleet of Image Systems Displays remotely from any web browser. The tool allows the administrator to manage and view the data, tests, graphs and controls relating to their diagnostic displays. The WebManager also provides alerts, email messaging, and an intuitive graphical user interface to manage your diagnostic displays with ease.



The Graph Generator provides graphs of various parameters to help visualize performance. The feature generates graphs on demand in reports that make it easy to review the data from conformance checks quickly and accurately.



The Asset Manager feature provides information to assist in understanding health, usage, life and planning around diagnostic display replacement.

CFS™ WebManager

Enables remote monitoring access to enterprise-wide displays via a web browser, eliminating the need for expensive 3rd party additional software packages. Detailed information about a display's status can be viewed, administrators are notified with alerts of non-conformance, and displays can be re-calibrated from a remote administrator's workstation.



CFS™ Local

Included with every display bundle, it is the gold standard in medical imaging calibration. Gathering data on each display from 4 points of reference (backlight sensor, front-of-screen luminance sensor, ambient light and temperature sensors) gives the most detailed picture possible of display performance in the industry today.

CFS™ has been without a doubt one of our most heavily relied upon tools for ensuring compliance to the best practices outlined by DICOM® and AAPM TG18" - Medical Director, Digital Imaging Informatics, large multi-site U.S. health system.

