

# MX50

## The New Standard in Mammography Displays

The MX50 is the medical imaging display loaded with advanced technology that is an essential tool for helping radiologists and medical professionals. This powerful system will significantly improve medical review and diagnostic performance with extremely detailed medical imaging right. This high performance display brings better image clarity, higher brightness and contrast ratios, DICOM Calibration and conformance within reach while making life changing medical diagnosis.



# Specifications

## MX50 54cm (21.3") 5 Mega-Pixel Grayscale LCD Display

- Ultra High Brightness : 1,100cd/m<sup>2</sup>
- WIDE Viewing Angle with New LCD Technology : 170° Horizontal and Vertical
- Automatic, Hands free DICOM Calibration and Conformance with Built-In IQ Sensor™ Technology
- LUC Ensures Top Luminance Uniformity across the Screen and from Edge to Edge
- On-Board DisplayPort and DVI Connectivity Ensure Rapid Data Transfer and Compatibility with Legacy Systems
- SmartCare™ X-Series Display Self-Diagnostic Service Functionality
- Network Calibration and QA/QC Software Available

**Pre-Calibrated Viewing Modes** The MX50 has been optimized for various diagnostic viewing scenarios and provides preset options for Mammography High (Mammography images of patients with high density breast tissue), Mammography Normal (Mammography images of patients with normal density breast tissue), CT/MRI, Ultrasound and User defined. Each of these modes has been pre-calibrated for luminance level, color temperature and gamma correction in accordance with the DICOM 3.14 standard. **"Black-to-Black" Technology** The MX50 features WIDE's unique "Black to Black" Technology in order to reproduce the blackest blacks when viewing grayscale images. These deep black shades are often lost on other LCD displays because of the intrinsic nature of LCD screens. **Pixel by Pixel Perfection** Achieving luminance uniformity of an LCD display can be very challenging because of its manufacturing process. However, WIDE's long engineering background and deep knowledge of LCD display technology brings LUC (Luminance Uniformity Correction) to the X-Series. LUC brings you luminance uniformity across the screen from edge to edge. LUC's user interface allows the selection of five different levels of uniformity grades further customizing our displays and meeting the demands of our Global marketplace. **Front Sensors for DICOM Calibration** WIDE's patented built-in IQ Sensor™, combined with bundled calibration software (Lumical™ Advanced), automatically calibrates the display to the DICOM 3.14 standard. Along with hands free, auto DICOM Calibration, the X-Series IQ Sensors utilize advanced sensor technology for increased accuracy and enhanced sensitivity. **Maximum Versatility** The X-Series is equipped with both DVI and DisplayPort connectivity. Providing both faster, more reliable delivery of data as well as the versatility needed to be plug and play compatible with legacy systems. **WIDE's Green Initiative** Our environmentally friendly design and manufacturing process are the cornerstones for WIDE's Green Initiative.

