

# neX-Series

| The Next Generation of Medical Display Solution



## Creating the Next Standard, Today

WIDE's new X-Series display solutions raise the standard of medical imaging displays by delivering outstanding performance coupled with cutting edge innovations. The X-Series is both ergonomically designed and environmentally friendly and it exceeds industry standards in healthcare imaging with an unmatched level of imaging performance. Our engineering teams are constantly seeking to introduce innovative ways to improve performance and add features that help medical professionals make the right diagnosis. In this way, WIDE creates the next standard to give physicians the precision they need to make lifesaving decisions with confidence.

**WIDE**



## The Future of Display Technology has Arrived

The X-Series self-calibrating display line furthers WIDE's reputation as an industry leader in technology and design. WIDE's foresight into the demands of the digital Mammography, PACS and Clinical markets have brought the medical community a wide range of displays specifically designed for each imaging workspace within your enterprise. These environmentally friendly and ergonomically designed displays exceed industry standards with the new on-board IQ Sensor™ bundled with a network calibration package for full automatic calibration, conformance, alerting and reporting. The X-Series line of self-calibrating displays are designed with the future of medical imaging in mind, featuring ultra high brightness and contrast ratios and industry leading luminance uniformity performance.

**WIDE**

## Pixel by Pixel Precision

### Superior Brightness and Contrast

Ultra high brightness and contrast ratios bring you vivid and pristine images while extending the lifetime of your display and enabling use for a variety of diagnostic environments.

### 14-Bit Look-Up Table (LUT)

Our 14-bit LUT provides the display with over a billion shades of gray for full 10-bit expression on screen, bringing you the most precise and accurate grayscale expression possible.

### Maximum Luminance Uniformity

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.

### Backlight Luminance Stabilization

WIDE's on-board luminance correlation sensor, SBC (Self-Brightness Control), continuously monitors to detect any change in backlight luminance and automatically adjusts the backlight to reach its optimum luminance.

### Maximum Versatility

The X-Series is equipped with both DVI and DisplayPort connectivity. Providing both faster and more reliable delivery of data, as well as the versatility needed to be plug and play compatible with legacy systems.

### SmartCare™ Monitor Self-Diagnosis

In an effort to make the troubleshooting process more efficient, WIDE has implemented SmartCare™ on each X-Series display. SmartCare™, WIDE's diagnostic program for displays, allows the user to activate this service via the OSD(On-Screen Display) and communicate results easily to service personnel.

### Digital Ambient Control Sensor (DAC)

WIDE's DAC (Digital Ambient Control sensor) is located at the top of each X-Series display to monitor ambient lighting within the reading room environment and is critical to ensuring proper DICOM calibration. If significant changes are observed by the DAC an optional alert can be sent to the QA administrator.

### 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. Each X-Series color display is also equipped with IQ SensorRGB™ for precise RGB color measurement and calibration. Along with hands-free, auto DICOM Calibration, the X-Series IQ Sensors™ utilize advanced sensor technology for increased accuracy and enhanced sensitivity.

## Confidence in Imaging

### PrivateLite™ (WIDE Patent Protected)

Each X-Series display comes equipped with a built in LED Light, PrivateLite™, perfect for use in dark reading rooms when a private, adjustable light source is needed. Most importantly this can be used without disrupting workflow or altering the ambient light conditions for the entire room.





## USB Connectivity & Convenience

Data portability is crucial when it comes to time sensitive diagnostic readings as well as overall convenience. An easy to access USB port is located on the front of every X-Series display for easy data transfer or download. In addition three other USB ports are located on the back of each display.

## Smart Cable Alignment

Due to the industrial design that is architected to consider cabling, each X-Series display features a well-seated cable alignment for a neat reading room environment.

## Sleek Cable Management

The well-designed and architected cable management for the X-Series line of displays creates a very sleek, clean finish to the workstation. Each cable is securely seated, helping to avoid disruptions from cable adjustments or disconnections.

## User Friendly OSD (On-Screen Display)

Intuitive Graphical On-screen display assists the user in navigating display settings and options very easily.

## Crystal Clear Protection

Our bonded protective panel adds durability to the delicate LCD display screen, extending its life and preventing much of the normal wear and tear seen by other LCD display screens. WIDE's new protective glass is bonded in a clean room and coated with double-sided anti-reflective material with nearly zero loss of transmittance.

## Global Vision

WIDE LCD displays are ready for deployment throughout our Global network. Each X-Series display OSD menu offers multiple languages (English, German, French, Spanish, Italian, Russian,

Japanese, Chinese, and Korean) for maximum convenience when adjusting the display settings and options.

## A family of Displays

Our X-Series line of displays is a true family of displays, each display carries the same design philosophy, the same look and feel as well as the same dimension for an optimized viewing experience at your workstation.

## Energy Conservation

The X-Series displays are designed to be energy efficient right out of the box. They are very energy efficient when in use and they consume less than 1 watt when the system is not in use.

## ECO Friendly

Designing a line of displays that was not only industry leading in performance and technology but helped protect our environment was essential. The WIDE Green initiative was launched. Our new X series displays have been developed and designed with ECO-innovative features, technologies and recyclable materials without using any harmful substances to fully meet RoHS requirements.

**WIDE**



# 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.



# MX30 MX20

## The New Standard in Diagnostic Displays

The MX30, 3 Mega-Pixel display, has been specially designed for CT, MR, US, CR and DR diagnostic reading. The MX20, 2 Mega-Pixel LCD display has been designed for review station use and is optimized for CT, MR and US viewing. The Ultra-high brightness and contrast levels of the MX20 and MX30 provide excellent grayscale rendering and clean, sharp images.





## Specifications

**MX30** 54cm (21.3") 3 Mega-Pixel Grayscale LCD Display

**MX20** 54cm (21.3") 2 Mega-Pixel Grayscale LCD Display

- Ultra High Brightness - MX30: 1,450cd/m<sup>2</sup>, MX20: 1,650cd/m<sup>2</sup>
- Automatic, Hands Free DICOM Calibration and Conformance with Built-In IQ Sensor™ Technology
- On-Board DisplayPort and DVI Connectivity Ensure Rapid Data Transfer and Compatibility with Legacy Systems
- SmartCare™ X-Series Display Monitor Self-Diagnostic Service Functionality
- Network Calibration and QA/QC Software Available

**14-Bit Look-Up Table (LUT)** Our 14-bit LUT provides the display with over a billion shades of gray for full 10-bit expression on screen, bringing you the most precise and accurate grayscale expression possible. **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. **Energy Conservation** The X-Series displays are designed to be energy efficient right out of the box. They are very energy efficient when in use and they consume less than 1 watt when the system is not in use. **WIDE's Green Initiative** Our environmentally friendly design and manufacturing process are the cornerstones for WIDE's Green Initiative.



# CX30 CX20

## High-Bright Color Display Standard for Advanced Diagnostic Imaging

The CX30 and CX20 are the flagship color displays of the X-Series because they feature the cleanest, brightest, crispest and most accurate screen performance that WIDE has ever achieved. Thanks to some of the world's most innovative display technology, they provide a window into the human body. The new advanced on-board quality assurance sensor of IQ SensorRGB™ technology offers the highest level of confidence in the ongoing operation of the CX30 and CX20 displays.



# Specifications

**CX30** 54cm (21.2") 3 Mega-Pixel Color LCD Display

**CX20** 54cm (21.3") 2 Mega-Pixel Color LCD Display

- Ultra High Brightness - CX30: 900cd/m<sup>2</sup>, CX20: 860cd/m<sup>2</sup>
- True 30-Bit Color Processing (\*CX30 Only)
- 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 Monitor Self-Diagnostic Service Functionality
- Network Calibration and QA/QC Software Available

**30-Bit Colors** The CX30 utilizes a 14-bit Look up table that combined with a true 10-bit panel (10-bit on Red, 10-bit on Green, 10-bit on Blue) results in rich, vibrant, precisely calibrated images. (\* CX30 only) **Pre-Calibrated Viewing Modes** The CX20 and CX30 have been optimized for various diagnostic viewing scenarios and provide preset options for DICOM Blue, DICOM White, CT/MRI, Ultrasound and User defined. Each of these modes have been pre-calibrated for luminance level, color temperature and gamma correction in accordance with the DICOM 3.14 standard. **Front Sensors for DICOM Calibration** WIDE's patented built-in IQ SensoRGB™, combined with bundled calibration software (Lumical™ Advanced), automatically calibrates the display to the DICOM 3.14 standard and offers precise RGB color measurement and calibration. Along with hands free, auto DICOM Calibration, the X-Series IQ Sensors utilize advanced sensor technology for increased accuracy and enhanced sensitivity. **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. **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.



# CL24

Clinical review Display

## Multi-Function Display offers Ultimate Versatility

With a slim and sleek design, the CL24 is ideally designed for PACS review, Laboratory, Endoscopy, Post-operative care, Private Practice, Modality Image Viewing or as a PACS Work list Display with DICOM 3.14 compliance. WIDE's clinical review monitors are specially designed for versatile clinical healthcare applications in this hospital-wide network of electronic medical records. Outperforming their commercial counterparts, this LCD display has higher brightness level, better contrast ratio, backlight sensor for stable luminance control and meet all DICOM 3.14 standards.





# Specifications

## CL24 61cm (24.0") 2.3 Mega-Pixel (Full HD) Color LCD Display

- Ultra Wide Viewing Angle (IPS)
- Out of Box DICOM 3.14 Compliance
- Backlight Stabilization Sensor (SBC)
- Multiple Viewing Modes Built In
- Picture in Picture and Picture by Picture Ability
- Medically Certified

**The Super IPS TFT LCD** Conventional TFT LCD display does not cover wide viewing angle. Therefore when looking at it from an angle, the display shows non-uniformity and color changes. As a result, conventional LCD display is not appropriate to use for medical imaging workflow. The CL24 expresses very constant image display thanks to its superior IPS TFT LCD technology.

**Backlight Self-Brightness Control Sensor (SBC)** On-board backlight stabilization sensor called SBC ensures the brightness change of the backlight. It also automatically manages the brightness of the LCD backlight to maintain the best consistency of image quality.

**DICOM Part 14 Compliant** To ensure the most accurate and consistent tone of expression, the CL24 is calibrated and managed with high professional production and quality processes. It sets very precise grayscale tones to meet a compliant with DICOM Part 14.

**Pre-calibrated Multiple DICOM Viewing Modes** The CL24 display offers multiple viewing modes such as Clearbase, Bluebase, sRGB, Text View and User. All of them have been pre-calibrated in production. These pre-calibrated DICOM settings will allow broadening of the application of CL24 with your confidence.

**Multiple Video Connectivity** The CL24 offers very broad PC and video system connectivity such as dual DVIs, DisplayPort, HDMI, Component and video, as well as stereo audio input and output. Thanks to its connectivity, CL24 offers a significantly broad usage of applications such as general purpose of medical imaging work process, 3D medical imaging work process, and as well as well modality use.

**Multi-window Displays (PiP & PBP)** CL24 is capable of displaying dual widow screens simultaneously based on picture-in-picture (PIP) and picture-by-picture (PBP) technology. For instance it can display images from a PC signal that came in through DVI or DisplayPort in the left half of the screen, and video images that came in through composite input in the right half of the screen at the same time.

**Monitor Calibration with External Sensor** The CL24 is able to be calibrated using the WIDE's external sensor called **i1Display 2** and the bundled calibration software program sold separately. It offers medical grade compliant with the DICOM Part 14 standard.

**Medical Standard Display** The CL24 has been designed and architected while following the guideline(s) of the medical grade. CL24 complies with global medical safety and regulation standards such as FCC Class B, CE, VCCI, KCC, UL, CSA etc.



# CL20

Clinical review Display

## Proven Quality and Performance for Clinical Review

With a slim and sleek design, the CL20 is ideally designed for PACS review, Laboratory, Endoscopy, Post-operative care, Private Practice, Modality Image Viewing or as a PACS Work list Display with DICOM 3.14 compliance. WIDE's clinical review monitors are specially designed for versatile clinical healthcare applications in this hospital-wide network of electronic medical records. Outperforming their commercial counterparts, this LCD display has higher brightness level, better contrast ratio, backlight sensor for stable luminance control and meet all DICOM 3.14 standards.



# Specifications

## CL20 51cm (20.1") 2 Mega-Pixel Color LCD Display

- Ultra Wide Viewing Angle (IPS)
- Out of Box DICOM 3.14 Compliance
- Backlight Stabilization Sensor (SBC)
- Multiple Viewing Modes Built In
- Medically Certified

**The Super IPS TFT LCD** Conventional TFT LCD display does not cover wide viewing angle. Therefore when looking at it from an angle, the display shows non-uniformity and color changes. As a result, conventional LCD display is not appropriate to use for medical imaging workflow. The CL20 expresses very constant image display thanks to its superior IPS TFT LCD technology. **Backlight Self-Brightness Control Sensor (SBC)** On-board backlight stabilization sensor called SBC ensures the brightness change of the backlight. It also automatically manages the brightness of the LCD backlight to maintain the best consistency of image quality. **DICOM Part 14 Compliant** To ensure the most accurate and consistent tone of expression, the CL20 is calibrated and managed with high professional production and quality processes. It sets very precise grayscale tones to meet a compliant with DICOM Part 14. **10-Bit Color Look-Up Table** On-board 10-bit Look-Up Table ensures the display is accurate and precise for displaying images. **Pre-calibrated Multiple DICOM Viewing Modes** The CL20 offers multiple viewing modes such as Clearbase, Bluebase, sRGB, Text View and User. All of them have been pre-calibrated in production. These pre-calibrated DICOM settings will allow broadening of the application of CL20 with your confidence. **Monitor Calibration with External Sensor** The CL20 is able to be calibrated using the WIDE's external sensor called **i1Display 2** and the bundled calibration software program sold separately. It offers medical grade compliant with the DICOM Part 14 standard. **Medical Standard Display** The CL20 has been designed and architected while following the guideline(s) of the medical grade. CL20 complies with global medical safety and regulation standards such as FCC Class B, CE, VCCI, KCC, UL, CSA etc.



# Technical Specifications

## Grayscale



**MX50**<sub>5MP</sub> Grayscale



**MX30**<sub>3MP</sub> Grayscale



**MX20**<sub>2MP</sub> Grayscale

LCD Panel	TFT AMLCD IPS Grayscale	TFT AMLCD IPS Grayscale	TFT AMLCD IPS Grayscale
Native Resolution	2048(H) x 2560(V)	1536(H) x 2048 (V)	1200(H) x 1600(V)
Pixel Pitch	0.165mm x 0.165mm	0.211mm x 0.211mm	0.270mm x 0.270mm
Active Display Area	422.4mm x 337.9mm (16.6" x 13.3")	433.1mm x 324.8mm (17.1"x12.8" )	432.0mm x 324.0mm (17.0"x12.8" )
Active Screen Size (Diagonal)	540.9mm (21.3")	541.4mm (21.3")	540.0mm (21.3")
Viewing Angle(Typical)	170°, 170° at 10:1 contrast	176°, 176° at 10:1 contrast	176°, 176° at 10:1 contrast
Brightness Max.	1100 cd/m <sup>2</sup>	1450 cd/m <sup>2</sup>	1650 cd/m <sup>2</sup>
Brightness Calibrated (Typical)	500 cd/m <sup>2</sup> (Mammography Normal)	500 cd/m <sup>2</sup> (DICOM Normal)	500 cd/m <sup>2</sup> (DICOM Normal)
Contrast Ratio (Typical)	850:1	900:1	850:1
Bit Rate for Look-Up Table	14-bit	14-bit	14-bit
Digital Video Input	DVI-D, DisplayPort	DVI-D, DisplayPort	DVI-D, DisplayPort
Display Communication	DDC2B (VESA compliance)	DDC2B (VESA compliance)	DDC2B (VESA compliance)
Universal Serial Bus (USB)	1 up and 3 down-streams	1 up and 3 down-streams	1 up and 3 down-streams
Power Supply	AC Input: AC100-240Volt±10%, 60Hz/50Hz±3Hz	AC Input: AC100-240Volt±10%, 60Hz/50Hz±3Hz	AC Input: AC100-240Volt±10%, 60Hz/50Hz±3Hz
Built-in Sensors	IQ Sensor™, SBC <sup>1)</sup> , DAC <sup>2)</sup>	IQ Sensor™, SBC <sup>1)</sup> , DAC <sup>2)</sup>	IQ Sensor™, SBC <sup>1)</sup> , DAC <sup>2)</sup>
Luminance Uniformity Correction (LUC) <sup>3)</sup>	Yes	Yes	Yes
Display Adjustments	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness
OSD Languages	English, German, French, Spanish, Italian, Russian, Chinese, Japanese, Korean	English, German, French, Spanish, Italian, Russian, Chinese, Japanese, Korean	English, German, French, Spanish, Italian, Russian, Chinese, Japanese, Korean
LED Light Lamp (PrivateLite™)	Yes	Yes	Yes
Power Consumption	Max: 85W / Power save mode: less than 1W	Max: 85W / Power save mode: less than 1W	Max: 85W / Power save mode: less than 1W
Tilt/Swivel/Height Adjustments	-3°, +15°/±20°/110mm	-3°, +15°/±20°/110mm	-3°, +15°/±20°/110mm
Portrait/Landscape Rotation	90° (Counter clockwise)	90° (Counter clockwise)	90° (Counter clockwise)
Mounting Hole	VESA Standard (100x100mm)	VESA Standard (100mmx100mm)	VESA Standard (100x100mm)
Weight	12.0Kg (26.45lb) With Stand	11.0Kg (24.25lb) With Stand	11.0Kg (24.25lb) With Stand
Dimension	394.0mm(W) x 535.9mm(H) x 248.8mm(D)	378.0mm(W) x 535.9mm(H) x 248.8mm(D)	378.0mm(W) x 535.9mm(H) x 248.8mm(D)
Operational Temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Operational Humidity	30% to 80%	30% to 80%	30% to 80%
Storage Temperature	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Certifications and Standards	FCC Class B, CE, VCCI Class B, KCC, ICES-003-B, C-Tick UL60601-1,CE,CSA Std., C22.2 No.601.1, IEC/EN60601-1, CCC	FCC Class B, CE, VCCI Class B, KCC, ICES-003-B, C-Tick UL60601-1,CE,CSA Std., C22.2 No.601.1, IEC/EN60601-1, CCC	FCC Class B, CE, VCCI Class B, KCC, ICES-003-B, C-Tick UL60601-1,CE,CSA Std., C22.2 No.601.1, IEC/EN60601-1, CCC

1) SBC : Self-Brightness Control, 2) DAC : Digital Ambient Control 3) Luminance Uniformity Correction



# Technical Specifications

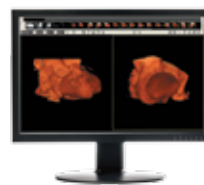
## Color



**CX30** 3MP Color



**CX20** 2MP Color



**CL24** 2.3MP Color



**CL20** 2MP Color

TFT AMLCD IPS Color	TFT AMLCD IPS Color	TFT AMLCD IPS Color	TFT AMLCD IPS Color
1536(H) x 2048(V)	1200(H) x 1600(V)	1920(H) x 1200(V)	1600(H) x 1200(V)
0.210mmx0.210mm	0.270mm x 0.270mm	0.270mm x 0.270mm	0.255mm x 0.255mm
431.6mm x 323.7mm (17.0"x12.7" )	432.0mm x 324.0mm (17.0"x12.8" )	518.4mm x 324.0mm (20.4" x 12.7")	408.0mm x 311.0mm (16.1" x 12.2")
539.5mm (21.2")	540.0mm (21.3")	611.3mm (24")	510.54mm (20.1")
170°, 170° at 10:1 contrast	176°, 176° at 10:1 contrast	178°, 178° at 10:1 contrast	178°, 178° at 10:1 contrast
900 cd/m <sup>2</sup>	860 cd/m <sup>2</sup>	400cd/m <sup>2</sup>	300cd/m <sup>2</sup>
450 cd/m <sup>2</sup> (DICOM White)	450 cd/m <sup>2</sup> (DICOM White)	-	-
1000:1	1050:1	1000:1	800:1
14-bit	14-bit	10-bit	10-bit
DVI-D, DisplayPort	DVI-D, DisplayPort	DVI-D, DisplayPort, Composite, HDMI, Component	DVI-D, Aanalogue D-Sub 15P
DDC2B (VESA compliance)	DDC2B (VESA compliance)	DDC2B (VESA compliance)	DDC2B (VESA compliance)
1 up and 3 down-streams	1 up and 3 down-streams	1 up and 2 down-streams	1 up and 2 down-streams
AC Input: AC100~240Volt±10%, 60Hz/50Hz±3Hz	AC Input: AC100~240Volt±10%, 60Hz/50Hz±3Hz	AC Input: AC100~240Volt±10%, 60Hz/50Hz±3Hz	AC Input: AC100~240Volt±10%, 60Hz/50Hz±3Hz
IQ Sensor™, SBC <sup>(1)</sup> , DAC <sup>(2)</sup>	IQ Sensor™, SBC <sup>(1)</sup> , DAC <sup>(2)</sup>	SBC <sup>(1)</sup>	SBC <sup>(1)</sup>
Yes	Yes	N/A	N/A
Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness	Power On/Off, Menu, Exit, Left/Right, Screen mode, Source	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Source
English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,
Russian, Chinese, Japanese, Korean	Russian, Chinese, Japanese, Korean	Japanese, Russian	Japanese
Yes	Yes	N/A	N/A
Max: 105W / Power save mode: less than 1W	Max: 100W / Power save mode: less than 1W	Max: 115W / Power save mode: less than 2W	Max: 65W/ Power save mode: less than 2W
-3°, +15°/±20°/110mm	-3°, +15°/±20°/110mm	-3°, +30°/±30°/108mm	-3°, +30°/±30°/108mm
90° (Counter clockwise)	90° (Counter clockwise)	90° (Clockwise)	90° (Counter clockwise)
VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
11.5Kg (25.35lb) With Stand	11.0Kg (24.25lb) With Stand	11.0 Kg (24.25 lb) With Stand	8.5 Kg (18.74 lb) With Stand
378.0mm(W) x 535.9mm(H) x 248.8mm(D)	378.0mm(W) x 535.9mm(H) x 248.8mm(D)	566mm(W) x 461mm(H) x 245mm(D)	450mm(W) x 449mm(H) x 225mm(D)
0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
30% to 80%	30% to 80%	30% to 80%	30% to 80%
-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
FCC Class B, CE, VCCI Class B, KCC, ICES-003-B, C-Tick	FCC Class B, CE, VCCI Class B, KCC, ICES-003-B, C-Tick	FCC Class B, CE, VCCI Class B, KCC, CCC, ICES-003-B, UL60601-1,	FCC Class B, CE, VCCI Class B, KCC, CCC, ICES-003-B, UL60601-1,
UL60601-1, CE, CSA Std., C22.2 No.601.1, IEC/EN60601-1, CCC	UL60601-1, CE, CSA Std., C22.2 No.601.1, IEC/EN60601-1, CCC	CSA Std., C22.2 No.601.1, IEC/EN60601-1, CB, GoST-R, C-Tick	CSA Std., C22.2 No.601.1, IEC/EN60601-1, CB



## GREEN SPECIFICATIONS

- Intelligent power management functionality
- Less power consumption when the system is not in use
- Nearly zero power consumption in power off mode
- Zero hazardous substance for RoHS compliance
- Recycled and recyclable materials used for construction
- Guaranteeing a longer life for your displays and reducing our footprint for a better tomorrow

### WIDE's Green Philosophy

WIDE fully recognizes the importance of corporate responsibility and that role for our environment. WIDE commits that all future design, development and manufacturing will take into consideration these three key elements that comprise the WIDE Green Initiative : **P**roducts being designed and developed have to have ECO-innovative features and technologies in order to maximize energy efficiency. All products will use recyclable or recycled materials as well as RoHS compliant materials. **P**rocess is the second key element in the WIDE Green Initiative. WIDE proactively participates in global energy saving and hazardous substance restricting programs. **P**eople and partners of WIDE Corporation must fully understand and recognize the importance of WIDE's Green Initiative. WIDE Corporation provides employees and partners continuing education on the WIDE Green Initiative.





### Taking Caring of Your Health and Our Earth

Designing a line of LCD displays that was not only industry leading in performance and technology but helped protect our environment was essential. The WIDE Green initiative was launched. Our new X-Series displays have been developed and designed with ECO-innovative features, technologies and recycled and recyclable materials without using any harmful substance to fully meet RoHS requirements.

WIDE

## ► WIDE Bundled Graphics Board Solutions for the X-Series

Visit the WIDE support site for the most up to date information at [www.widcorp.com](http://www.widcorp.com)

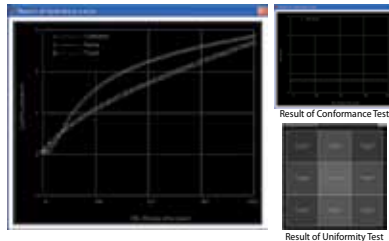
Graphics Board	FirePro 5800	FirePro 7800	FirePro 8800	Quadro 2000	Quadro 4000	Xenia	Xenia Pro
							
Operating Systems	Windows 7/Vista/XP	Windows 7/Vista/XP	Windows 7/Vista/XP	Windows 7/Vista/XP	Windows 7/Vista/XP	Windows 7/Vista/XP	Windows 7/Vista/XP
Frame Buffer	1GB	2GB	2GB	1GB	2GB	512MB	1GB
Output Port	(1)DVI, (2)DisplayPorts	(1)DVI, (2)DisplayPorts	(4)DisplayPorts	(1)DVI, (2)DisplayPorts	(1)DVI, (2)DisplayPorts	(2)DVI	(2)DVI
Max Power Consumption	75 Watts	150 Watts*	225 Watts*	62 Watts	142 Watts*	34 Watts	36 Watts
Bus Interface	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0

\* It may demand additional power supply from PC or Workstation for graphics card.



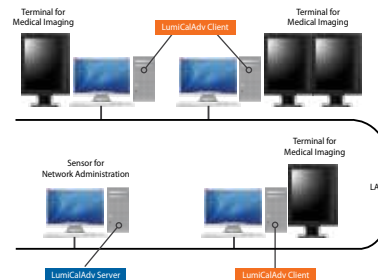
## ► Quality Management Solution - Image Quality Assurance System (IQAS)

WIDE's Image Quality Assurance System (IQAS) guarantees optimal on-screen performance through a combination of an embedded IQ Sensor™, Self-Brightness Control (SBC), bundled quality management software (Lumical™ Advanced). IQAS maintains image quality and performance, automates QA tasks such as initial display calibration and DICOM Part 14 GSDF configuration.




### Display Calibration and Management

- DICOM Part 14 GSDF
- Calibration
- Conformance test
- Grayscale uniformity test
- Color temperature test and adjustment



### Network Administration

- Simultaneous calibration
- Alert functions (e-mail notification of error)
- Power supply watch
- Security control
- Scheduling administration



WIDE Corporation  
www.widcorp.com

## WIDE Global Network

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