



neo Series

Maximun Visual Precision

WIDE

[wide-usa.com](http://wide-usa.com)

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## Neo-Series: WIDE's Newest Medical Display Solution

WIDE is a trusted global provider of high-quality displays for various applications. The Neo-Series includes diagnostic, clinical, and modality displays. These displays are designed to meet the highest standards of performance, accuracy, and reliability. Advanced WIDE technologies include embedded IQ Sensor®, Digital Ambient Control (DAC), PrivateLite®, and 14-bit Look-Up Table. WIDE displays are ideal for medical imaging systems that need gray-scale, color, moving, static, 2D, or 3D images. The Neo-series range from 19" to 32" in size and from 1 mega-pixel to 12 mega-pixel in resolution.





## Driving the Future of Diagnostic Imaging Display Technology

The rise of digital imaging technology has drastically changed the way that patient data is used and distributed within healthcare environments. Medical images, enriched with patient information, are being shared beyond the radiology department, becoming available throughout the enterprise. WIDE's Neo-Series utilize the latest research, development, and engineering. Improvements include the most advanced TFT LCD technology, and an intelligent 3<sup>rd</sup> generation DICOM IQ-Sensor\*, all wrapped in a newly styled chassis with an ergonomic look and feel. Neo-Series displays improve all aspects of the radiology reading room experience. Brightness, image quality, DICOM 3.14 calibration, conformance, and automation all work together to satisfy the most demanding medical image review requirements.

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## Protecting the Earth

### High Energy Efficient LED >>>

WIDE's new Neo-Series displays achieve and maximize energy efficiency through the use of smart LED technology. Higher brightness, lower energy consumption and longer product life reduce negative environmental impacts traditionally seen in older displays.

### Energy Conservation >>>

Neo-Series displays have been developed to be very energy efficient when in operation, and are designed to consume less than 2 watts when the system is not in use.

### ECO Friendly >>>

Designing a line of displays that was not only industry-leading in performance and technology while at the same time did not harm our environment, was essential. WIDE's new diagnostic displays have been developed and designed with ECO-innovative features, technologies, and recyclable materials without using any harmful substances to fully meet RoHS requirements.



## Pixel by Pixel Precision

**Wide Viewing Angle** Utilizing advanced IPS (In Plane Switching) technology within TFT LCD panels, images seen on the Neo-Series appear bright, crisp, consistent and uniform from almost any viewing angle. **True 10-bit** Our 10-bit (10-bit for Red, Green and Blue) TFT LCD technology provides a display with over 1 billion shades of gray for true 10-bit reproduction on screen, bringing you the most precise and accurate grayscale and color expression possible. **14-Bit Look-Up Table (LUT)** WIDE's 14-bit LUT provides the display with over 1 billion shades of gray for precise expression on screen. **Maximum Luminance Uniformity** Achieving luminance uniformity can be very challenging given the manufacturing process of TFT LCD displays. However, WIDE's background knowledge of display technology brings DUC (Digital Uniformity Correction) to the Neo-Series. DUC helps ensure luminance uniformity across the entire screen - edge to edge. **Crystal Clear Protection (Option)** Our protective panel adds durability to the delicate LCD display screen, extending its life and preventing much of the normal wear and tear seen on non-protected LCD display screens. WIDE's new protective glass is mounted in a dust-free clean room and coated with double-sided anti-reflective material for transmittance with near zero loss.

## Making Imaging more Efficient

**3<sup>rd</sup> Generation Front Sensors for Automatic DICOM Calibration and Conformance** WIDE monitors have a newly integrated 3<sup>rd</sup> generation built-in IQ-Sensor®, combined with bundled network calibration software, that automatically calibrates the diagnostic display to the DICOM 3.14 standard. Along with hands free auto DICOM calibration, the IQ Sensor® utilizes advanced sensor technology for increased accuracy and enhanced sensitivity. **Quick 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. **Digital Ambient Control Sensor (DAC)** DAC (Digital Ambient Control) sensor is located at the top of each WIDE diagnostic display to measure ambient lighting within the reading room environment. This 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. **Maximum Versatility** WIDE's Neo-Series of displays are equipped with both DVI and DisplayPort connectivity. These ports provide faster, more reliable delivery of data, as well as the versatility needed to be plug and play compatible with legacy systems. **PrivateLite® (WIDE Patent Protected)** Each diagnostic display comes equipped with a built in LED light, PrivateLite®, perfect for use in a dark reading room 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 diagnostics as well as overall convenience. An easy-to-access USB port is located on the front of every WIDE display for easy data transfer or download. In addition, 3 other USB ports are located on the back of each display. **Sleek Cable Management** The well-designed cable management system on each display creates a very sleek, clean finish to the workstation. Cables are securely seated, helping to avoid disruptions from cable adjustments or disconnections. **User Friendly On-screen-display (OSD) Service** WIDE's intuitive graphical on-screen interface assists the user in easily navigating display settings and options. Each diagnostic display offers multiple languages such as English, German, French, Spanish, Italian, Russian, Japanese, Chinese, and Korean for maximum international localization.



## Multi-Modality Diagnostic Displays

### PACS and Breast Imaging Combined on One Workstation

New 6MP and 12MP high-resolution diagnostic display systems provide a broad range of diagnosis applications, from general PACS to digital breast imaging on a single display, grayscale and color. With new hardware and software features, including an on-board auto-calibration sensor, OSD sub-screen display, and a system for controlling ambient lightening, these displays deliver workstation performance that is accurate and time-saving.

The latest TFT LCD technology ensures:

- minimum eyestrain, no flickering
- side-by-side dual screen displays with dual inputs
- reduced reflection
- improved image sharpness and contrast
- increased reading comfort, greater working efficiency
- dynamic gamma correction in grayscale and color

12MP  
LED

# CW120N

## Digital Mammography

- 31" 4200x2800 (12MP)
- 1200 cd/m<sup>2</sup>
- 1500:1 Contrast Ratio
- Dual DisplayPort Input Connectivity
- Embedded IQ Sensor®
- Ambient Sensor
- Private Lite | Ambient Lite
- Self DICOM Calibration & Conformance
- Automated Sleep Mode
- Private Menu Screen (3.5", 340x800)



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6MP  
LED

# CW60N

## Multi Modality Color Display

- 30" 3280x2048 (6MP)
- 1300 cd/m<sup>2</sup>
- 2000:1 Contrast Ratio
- Dual DisplayPort Input Connectivity
- Embedded IQ Sensor®
- Ambient Sensor
- Private Lite | Ambient Lite
- Self DICOM Calibration & Conformance
- Automated Sleep Mode
- Private Menu Screen (3.5", 340x800)



## Digital Mammography Displays

### High-Bright Grayscale and Color for Digital Mammography

With 5 mega-pixel resolution, and 21.3" diagonal size

MX50N and CX50N mammography displays maximize reading and interpretation of digital breast tomosynthesis. These displays significantly improve accurate breast cancer detection by leveraging intelligent hardware architecture and digital mammography software. MX50N and CX50N are dedicated display solutions, not only for conventional digital mammography and multi-modality breast imaging, but also for digital tomosynthesis needs.

New high-bright TFT LCD technology offers excellent image uniformity, optimum viewing angles, and high-performance image processing.



5MP  
LED

## MX50N

Digital Mammography



21.3" 2048x2560 (5MP)  
3000cd/m<sup>2</sup>  
2000:1 Contrast Ratio  
14-bit Look-Up Table  
Embedded DICOM IQ Sensor®  
PrivateLite®  
Display Port & DVI

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5MP  
LED

## CX50N

Digital Mammography Color



21.3" 2048x2560 (5MP)  
1150cd/m<sup>2</sup>  
2000:1 Contrast Ratio  
14-bit Look-Up Table  
Embedded DICOM IQ Sensor®  
PrivateLite®  
Display Port & DVI





3MP  
LED

## CX30N

Diagnostic Color Display

- 21.3" 1536x2048 (3MP)
- 1000cd/m<sup>2</sup>
- 1500:1 Contrast Ratio
- 14-bit Look-Up Table
- Embedded DICOM IQ Sensor®
- PrivateLite®
- DisplayPort & DVI



3MP  
LED

## MX30N

Diagnostic Grayscale Display

- 21.3" 1536x2048 (3MP)
- 2000cd/m<sup>2</sup>
- 1500:1 Contrast Ratio
- 14-bit Look-Up Table
- Embedded DICOM IQ Sensor®
- PrivateLite®
- DisplayPort & DVI

2MP  
LED

## CX20N

Diagnostic Color Display

- 21.3" 1200x1600 (2MP)
- 1000cd/m<sup>2</sup>
- 1800:1 Contrast Ratio
- 14-bit Look-Up Table
- Embedded DICOM IQ Sensor®
- PrivateLite®
- Display Port & DVI

# MX20N Diagnostic Grayscale Display

## High-Bright Grayscale Display

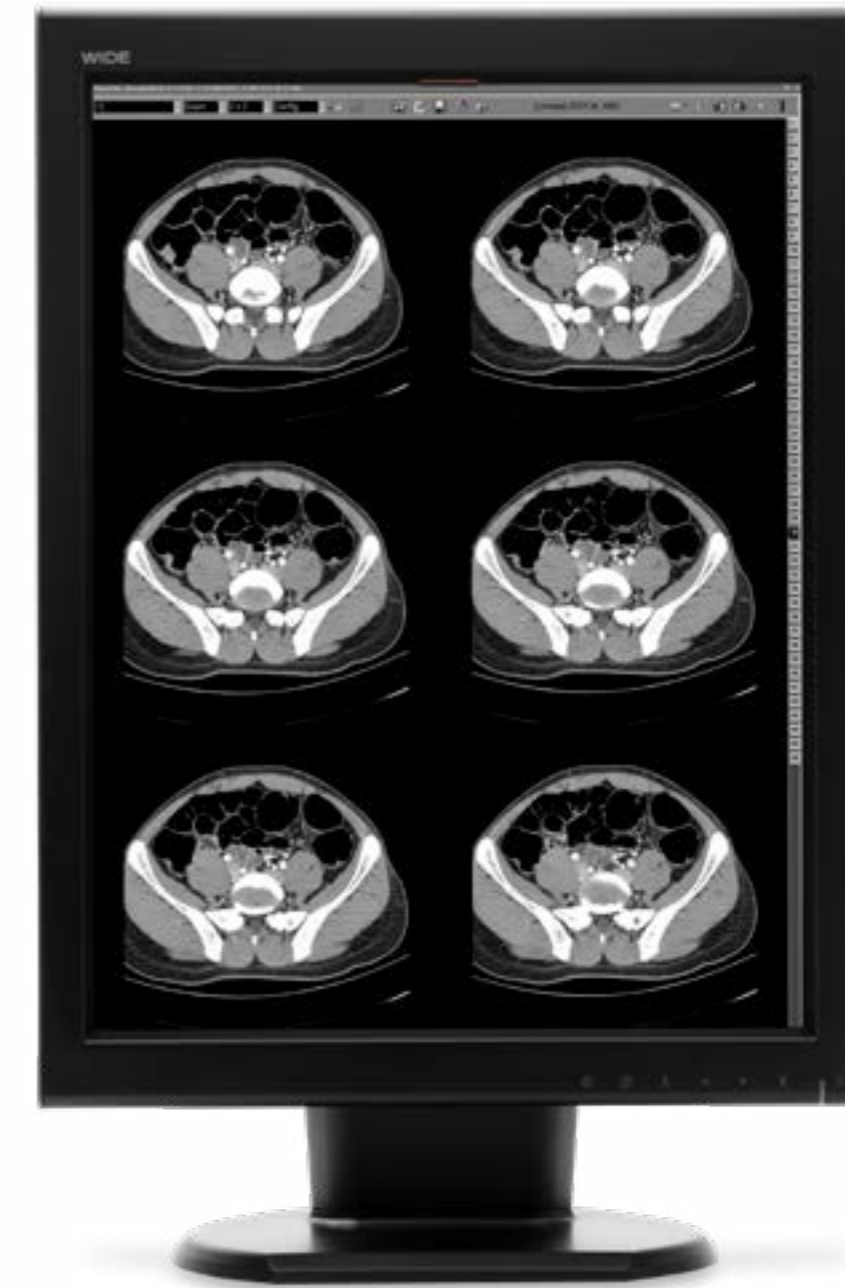
The new Neo grayscale 2 mega-pixel LED display system provides excellent image quality. It has everything needed for an efficient diagnostic working environment when viewing multiple modality images, including CR, DR, MRI, and CT applications. MX20N employs a high-bright LED backlight to ensure that optimum brightness and precise shades of gray are always available. This allows the user to detect subtle details and maximizes the display's service life. An on-board DICOM calibration sensor works to provide consistent, precise images for confident diagnoses.

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2MP  
LED

# MX20N

**Diagnostic Grayscale Display**



21.3" 1200x1600 (2MP)  
1900cd/m<sup>2</sup>  
1800:1 Contrast Ratio  
14-bit Look-Up Table  
Embedded DICOM IQ Sensor®  
PrivateLite®  
Display Port & DVI

# Modality & Clinical Displays

## 2.1 Mega-Pixel Space-Saving Clinical Review Color Display

Increase work efficiency with CL24N. With an intelligent space-saving design and the latest in LCD technology, this model offers a high-end feature set. Embedded sensors include a DICOM calibration sensor, ambient light sensor, and activity sensor for saving power. These sensors help increase image accuracy and user eye comfort. CL24N is an economical choice for precision clinical review.

### 1 Mega-Pixel Modality & Clinical Displays of the Neo-Series

WIDE's modality displays offer powerful video image processing. The line features motion adaptive de-interlacing, dynamic edge enhancement, spatial noise reduction, and low-angle/jaggy-free motion video images. These displays are a perfect fit for digital modality systems and can provide a needed upgrade in technology when replacing outdated modality displays, thanks to a broad selection of video connectivity including RGB analog, DVI, S-Video, Composite, and BNC (Synch-on Green).

WIDE's clinical displays are ideally designed for PACS review, laboratory, endoscopy, post-operative care, private practice, modality image viewing, and PACS work list display with DICOM 3.14 compliance. Outperforming other commercial counterparts, these displays utilize optimum brightness levels, contrast ratios, backlight sensor luminance control stability, and meet all DICOM 3.14 standards.



2.1MP  
LED

# CL24N

**Clinical Review Color Display**

24" 1920x1080 (2.1MP)  
400cd/m<sup>2</sup>  
1000:1 Contrast Ratio  
178° Wide Viewing Angle (AAS)  
DICOM Preset Modes  
Mini-HDMI, Mini-DisplayPort  
Super Space Saving



1MP  
LED

## CX10N

**Modality Color LCD Display**

19" 1280x1024 (1MP)  
300cd/m<sup>2</sup>  
1000:1 Contrast Ratio  
178° Wide Viewing Angle  
DICOM 3.14 Compliance  
DVI-D, Analog D-sub 15pin

1MP  
LED

## MX10p

**Modality Grayscale LCD Display**

19" 1280x1024 (1MP)  
1400cd/m<sup>2</sup>  
1000:1 Contrast Ratio  
178° Wide Viewing Angle  
DICOM 3.14 Compliance  
DVI-D, Analog D-Sub 15Pin





# Automatic Image Calibration

WIDE's Image Quality Assurance System (IQAS) ensures optimal on-screen performance through a combination of processes : an embedded IQ-Sensor®, Self-Brightness Control (SBC), and bundled DICOM calibration software ezCal™. IQAS maintains image quality and performance while automating QA tasks such as DICOM 3.14 calibration and conformance.

- ezCal™ is easy to use, with an intuitive graphic user interface and familiar configuration settings.
- ezCal™ has an auto-tracking feature to help identify where the monitor is located in a facility.
- ezCal™ supports all of the latest requirements associated with DIN6868-157 and AAPM TG18.
- ezCal™ has been configured to work with WIDE displays. It runs extremely fast and maintains a precise image appearance.
- ezCal™ is ready for future requirements.
- ezCal™ generates user-friendly test reports in PDF or Excel.

### Display Calibration and Management

- DICOM 3.14 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

## Specifications

	CW120N	CW60N
Panel	TFT AMLCD IPS Color	TFT AMLCD IPS Color
Native Resolution	4200(H) x 2800(V)	3280(H) x 2048(V)
Pixel Pitch	0.1554mm x 0.1554mm	0.197mm x 0.197mm
Active Display Area	652.68mm x 435.12mm (25.7"x17.1")	645.504mm x 403.0464mm (25.4"x15.9")
Active Screen Size	784.0mm (31.0")	761.0mm (30.0")
Viewing Angle(Typ)	178°,178° at 10:1 Contrast Ratio	178°,178° at 10:1 Contrast Ratio
Brightness Max.(Typ)	1200cd/m <sup>2</sup>	1300cd/m <sup>2</sup>
Brightness Calibrated (Typ)	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>
Contrast Ratio (Typ)	1500:1	2000:1
Bit Rate for Look-Up Table	14-bit	14-bit
Digital Video Input	2x DisplayPort	2x DisplayPort
Display Communication	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)
Universal Serial Bus (USB)	1 up and 2 down-streams	1 up and 2 down-streams
Power Supply	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V
Built-in Sensors	IQ Sensor®, SBC <sup>1</sup> , DAC <sup>2</sup> , Human	IQ Sensor®, SBC <sup>1</sup> , DAC <sup>2</sup> , Human
LUC <sup>3</sup>	Yes	Yes
Display Adjustments	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power
OSD Languages	English	English
LED Light (AmbientLite®)	Yes	Yes
LED Light (PrivateLite®)	Yes	Yes
Power Consumption	Max: 170W, Typcal : 100W	Max: 180W, Typcal : 110W
Tilt/Swivel/Height Adjustments	-3°,+15°±20°/110mm	-3°,+15°±20°/110mm
Portrait/Landscape Rotation	-	-
Mounting Hole	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
Weight	20.0Kg(44.09lb) with Stand	19.66Kg(43.35lb) with Stand
Dimension	689.0mm(W)x647.4mm(H)x237.0mm(D)	692.0mm(W)x642.7mm(H)x283.0mm(D)
Operational Temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Operational Humidity	8% to 80%	8% to 80%
Storage Temperature	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Certifications and Standards	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC
Screen Protection	Protective Glass	Protective Glass
Options	-	-

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

## Specifications

	MX50N	CX50N	CX30N	MX30N	CL24N
Panel	TFT AMLCD AAS Grayscale	TFT AMLCD AAS Color	TFT AMLCD IPS Color	TFT AMLCD IPS Grayscale	TFT AMLCD AAS Color
Native Resolution	2048(H) x 2560(V)	2048(H) x 2560(V)	1536(H) x 2048(V)	1536(H) x 2048(V)	1920(H) x 1080(V)
Pixel Pitch	0.165mm x 0.165mm	0.165mm x 0.165mm	0.2115mm X 0.2115mm	0.2115mm X 0.2115mm	0.2745mm x 0.2745
Active Display Area	422.4mm x 337.92mm (16.6"x13.3")	422.4mm x 337.92mm (16.6"x13.3")	433.15mm x 324.86mm (17.1"x12.8")	433.15(H)mm x 324.86(V)mm (17.1"x12.8")	527.04mm x 296.46mm (20.75"x11.67")
Active Screen Size	540.9mm (21.3")	540.9mm (21.3")	541.436mm (21.3 ")	541.4mm (21.3")	604.52mm (23.8 ")
Viewing Angle(Typ)	178°,178° at 10:1 Contrast Ratio	178°,178° at 10:1 Contrast Ratio	178°,178° at 10:1 Contrast Ratio	178°,178° at 10:1 Contrast Ratio	178°,178° at 10:1 Contrast Ratio
Brightness Max.(Typ)	3000cd/m²	1150cd/m²	1000cd/m²	2000cd/m²	400cd/m²
Brightness Calibrated (Typ)	500cd/m²	450cd/m²	450cd/m²	500cd/m²	200cd/m²
Contrast Ratio (Typ)	2000:1	2000:1	1500:1	1500:1	1000:1
Bit Rate for Look-Up Table	14-bit	14-bit	14-bit	14-bit	10-bit
Digital Video Input	DVI-D, DisplayPort	DVI-D, DisplayPort	DVI-D, DisplayPort	DVI-D, DisplayPort	Mini DisplayPort, Mini HDMI
Display Communication	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)
Universal Serial Bus (USB)	1 up and 3 down-streams	1 up and 3 down-streams	1 up and 3 down-streams	1 up and 3 down-streams	-
Power Supply	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +12V
Built-in Sensors	IQ Sensor III®, SBC¹, DAC²	IQ Sensor III®, SBC¹, DAC²	IQ Sensor III®, SBC¹, DAC²	IQ Sensor III®, SBC¹, DAC²	Ambient, Human
LUC³	Yes	Yes	Yes	Yes	Yes
Display Adjustments	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power	Ambient, Left, Select, Right, Power
OSD Languages	English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean	English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean	English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean	English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean	English
LED Light (PrivateLite®)	Yes	Yes	Yes	Yes	-
Power Consumption	Max: 75W, Power Save: 2W	Max: 75W, Power Save: 2W	Max: 75W, Power Save: 2W	Max: 50W, Power Save: 2W	MAX : 20W, Power Save : Less than 5W
Tilt/Swivel/Height Adjustments	-3°, +15°±20°/110mm	-3°, +15°±20°/110mm	-3°, +15°±20°/110mm	-3°, +15°±20°/110mm	-5°, +15°/ x / 45mm
Portrait/Landscape Rotation	90° (Counter clockwise)	90° (Counter clockwise)	90° (Counter clockwise)	90° (Counter clockwise)	90° (Counter clockwise)
Mounting Hole	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
Weight	10.7Kg(23.59lb) with Stand	10.7Kg(24.25lb) with Stand	10.1Kg(22.27lb) with Stand	10.1Kg(22.27lb) with Stand	5.6Kg(12.346lb) with Stand
Dimension	390.3mm(W)x520.1mm(H)x248.8mm(D)	390.3mm(W)x520.1mm(H)x248.8mm(D)	366.0mm(W)x518.8mm(H)x248.8mm(D)	366.0mm(W)x518.8mm(H)x248.8mm(D)	538.1mm(W)x469.8mm(H)x103.4mm(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)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Operational Humidity	8% to 80%	8% to 80%	8% to 80%	8% to 80%	8% 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)	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Certifications and Standards	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, FCC
Screen Protection	-	-	-	-	-
Options	Protective Glass	Protective Glass	Protective Glass	Protective Glass	IQ Sensor III

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

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

## Specifications

	MX20N	CX20N		CX10N	MX10p
Panel	TFT AMLCD IPS Grayscale	TFT AMLCD AAS Color		TFT AMLCD Color	TFT AMLCD IPS Grayscale
Native Resolution	1200(H) x 1600(V)	1200(H) x 1600(V)		1280(H) X 1024(V)	1280(H) X 1024(V)
Pixel Pitch	0.270mm x 0.270mm	0.270mm x 0.270mm		0.294mm x 0.294mm	0.294mm x 0.294mm
Active Display Area	432.0mm x 324.0mm (17.0"x12.8")	432.0mm x 324.0mm (17.0"x12.8")		376.3mm x 301.1mm (14.8"x11.8")	376.3 x 301.1mm (14.8"x11.8")
Active Screen Size	540.0mm (21.3")	540.0mm (21.3")		480.0mm (19.0")	480.0mm (19.0")
Viewing Angle(Typ)	178°,178° at 10:1 Contrast Ratio	178°,178° at 10:1 Contrast Ratio		178°,178° at 10:1 Contrast Ratio	178°, 178° at 10:1 contrast
Brightness Max.(Typ)	1900cd/m <sup>2</sup>	1000cd/m <sup>2</sup>		300cd/m <sup>2</sup>	1400cd/m <sup>2</sup>
Brightness Calibrated (Typ)	500cd/m <sup>2</sup>	450cd/m <sup>2</sup>		150cd/m <sup>2</sup> (DICOM White)	500cd/m <sup>2</sup>
Contrast Ratio (Typ)	1800:1	1800:1		1000:1	1000:1
Bit Rate for Look-Up Table	14-bit	14-bit		10-bit	10-bit
Digital Video Input	DVI-D, DisplayPort	DVI-D, DisplayPort		DVI-D, Aanalogue D-sub 15pin	DVI-D, Analog D-Sub 15Pin
Display Communication	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)		DDC2B (VESA Standard Compliance)	DDC2B (VESA compliance)
Universal Serial Bus (USB)	1 up and 3 down-streams	1 up and 3 down-streams		None	N/A
Power Supply	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +24V		AC Input 100-240Volt±10% / 60Hz/50Hz±3Hz   DC Output +12V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz   DC Output +12V
Built-in Sensors	IQ Sensor III®, SBC <sup>1</sup> , DAC <sup>2</sup>	IQ Sensor III®, SBC <sup>1</sup> , DAC <sup>2</sup>		SBC <sup>1</sup>	-
LUC <sup>3</sup>	Yes	Yes		-	-
Display Adjustments	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power		Power On/Off, Menu, Exit, Left/Right	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness
OSD Languages	English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean	English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean		English, German, French, Spanish, Italian	English, German, French, Italin, Spanish
LED Light (PrivateLite®)	Yes	Yes		-	-
Power Consumption	Max: 55W, Power Save: 2W	Max: 60W, Power Save: 2W		Max: 25W, Power Save: 6W	Max: 35W, Power Save: 5W
Tilt/Swivel/Height Adjustments	-3°, +15°/±20°/110mm	-3°, +15°/±20°/110mm		-3°, +30°/±30°/108mm	-3°, +30°/±30°/108mm
Portrait/Landscape Rotation	90° (Counter clockwise)	90° (Counter clockwise)		90° (Counter clockwise)	90° (Counter clockwise)
Mounting Hole	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)		VESA Standard (100mmx100mm)	VESA Standard (100x100mm)
Weight	8.6Kg(18.90lb) with Stand	9.3Kg(20.50lb) with Stand		7.5Kg(16.50lb) with Stand	8.0Kg(17.64lb) with Stand
Dimension	366.0mm(W)x518.8mm(H)x248.8mm(D)	366.0mm(W)x518.8mm(H)x248.8mm(D)		436.5mm(W)x455.5mm(H)x200.0mm(D)	436.5mm(W) x 455.5mm(H) x 198.0mm(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)	0°C to 40°C (32°F to 104°F)
Operational Humidity	8% to 80%	8% to 80%		10% to 80%	10% 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)	-20°C to 60°C (4°F to 140°F)
Certifications and Standards	CE	ANSI/AAMI ES 60601-1, EN60601-1, IEC60601-1, CE, VCCI, KC, C-Tick, FCC		IEC/EN60601-1, FCC Class B, CE, VCCI Class B	UL60601-1, CSA Std.C22.2 NO.601.1, EN / IEC60601-1, CE, VCCI Class B, KC, FCC Part15 Class B
Screen Protection	-	-		-	-
Options	Protective Glass	Protective Glass		Protective Glass, Touch Screen	Protective Glass

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



Specifications and features are subject to change without notice. Images shown are for illustrative purpose only. All products names are trademarks or registered trademarks of their respective companies. Printed in Korea. 2023. 10. Ver 3.6

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