MX-Series LCD Monitor 24"

## Professional Clinical Review Displays of High Performance, Easy Maintenance

NeoV
OPTICAL GLASS

DICOM

IEC/EN
60601-1

PIP PBP

Black Level
Alignment
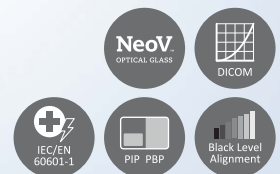
The MX-Series displays are designed for durability and easy cleaning. It features Full HD resolution, It features Full HD resolution, medical grade (60601-1 certified) power supply and DICOM Part 14 specification compliance, and provides excellent image quality, colour reproduction and image contrast. The MX-Series is specifically designed for 24/7 operation in demanding medical settings.
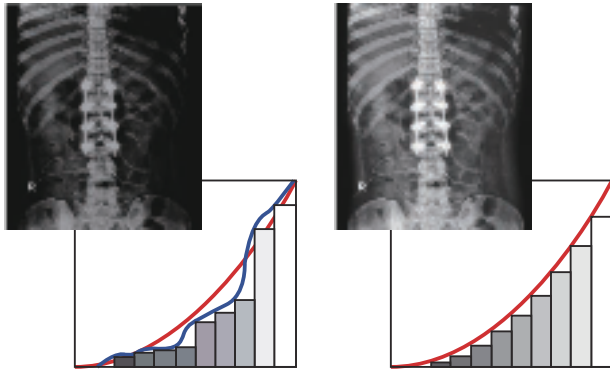
DICOM Mode

Consistent Image Clarity

The MX-Series is compliant with the DICOM Part 14 standard specifications. This calibration function corrects gamma and luminance to achieve the smooth grayscale that is required for the accurate and consistent appearance of clinical data and other review images.

Easy to Clean and Reliable Design

The anti-acid and anti-alkali coating treatment of the NeoV™ Optical Glass help the MX-Series withstand alcohol and other commonly used cleaning solutions. With the displays also bolstered by metal casing, this proprietary glass technology shields them from scratches and other damage.

Versatility and Multitasking

Multiple signal source options, including HDMI and DisplayPort 1.2, offer the versatility for the MX-Series to integrate with other instruments. Its broad connectivity enables the PiP/PbP capability that makes multitasking possible—studying different images or matching medical records—in a single display.

Medical-Grade Certified Power Supply

The MX-Series adopts a specially designed low-voltage medical-grade power supply to ensure safety, performance, and reliability in any professional medical environment. Compliance with the IEC/EN60601-1 standards ensures their safe and reliable performance in demanding medical settings.

IEC/EN 60601-1
Medical-Grade Power Supply

Features

- Full HD 1920 x 1080 resolution
- Anti-Burn-in™ technology prevents image ghosting
- NeoV™ Optical Glass and metal housing for excellent cleanability and protection
- Crisp 20,000,000:1 dynamic contrast ratio
- Compliance with DICOM Part 14 with calibrated greyscale and brightness
- Medical adapter certified to the IEC/EN 60601-1 medical design
- Equipotential terminal connector
- White exterior design for easy contaminant detection
- PiP/PbP functions enable multi-source viewing simultaneously

- Image Enhancer: 3D Deinterlace / Noise Reduction
- Versatile connectivity: DisplayPort, HDMI, DVI, VGA
- EcoSmart Sensor automatically adjusts brightness level according to ambient lighting conditions
- Flicker-free display technology reduces eye discomfort
- Black-level adjustment for presenting more details in dark images
- VESA mounting for flexible installation in healthcare settings

Specifications MX-24

Panel	
Panel Type	LED-Backlit TFT LCD (VA Technology)
Panel Size	23.8"
Max. Resolution	FHD 1920 x 1080
Pixel Pitch	0.274 mm
Brightness	300 cd/m²
	250 cd/m² (DICOM Preset)
Contrast Ratio	-
Viewing Angle (H/V)	178°/178°
Display Colour	16.7M
Response Time	5 ms
Frequency	
Frequency (H)	24 kHz-83 kHz
Frequency (V)	50 Hz-75 Hz
Signal Input	
DisplayPort	x 1
HDMI	1.4 x 1
DVI	24-Pin DVI-D
VGA	15-Pin D-Sub x 1
Audio	
Audio In	-
Internal Speakers	2W x 2
Power	
Power Supply	External
Power Requirements	DC 12V, 2.5A
On Mode	18W (On)
Stand-by Mode	< 0.5W
Off Mode	< 0.3W
Glass	
Thickness	3.0 mm (0.12")
Reflection Rate	< 1%
Transmission Rate	> 97%
Hardness	> 9H
Operating Conditions	
Temperature	0°C-40°C (32°F-104°F)
Humidity	10%-90% (non-condensing)
Storage Conditions	
Temperature	-20°C-60°C (-4°F-140°F)
Humidity	5%-95% (non-condensing)
Mounting	
VESA FPMPMI	Yes (100 x 100 mm & 75 x 75 mm)
Stand	
Tilt	3° to 21°
Security	
Kensington Security Slot	Yes
Dimensions	
Product with Base (W x H x D)	562.4 x 392.8 x 196.0 mm (22.1" x 15.4" x 7.7")
Product w/o Base (W x H x D)	562.4 x 352.6 x 56.2 mm (22.1" x 13.9" x 2.2")
Packaging (W x H x D)	672.0 x 517.0 x 249.0 mm (26.5" x 20.4" x 9.8")
Weight	
Product w/o Base	7.0 kg (15.4 lb)
Product with Base	7.8 kg (17.2 lb)
Packaging	10.9 kg (24.0 lb)
Regulation Approval	
Certifications & Compliance	CE, LVD, RoHS, WEEE, REACH, EAC
Power Adaptor Certifications	ADAPTER/ATM065T-P120: CE, FCC, PSE, WEEE, BSMI, Medical Grade
Accessories	
Supplied	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card
Optional Accessories	
Ceiling Mount (Landscape only)	CMP-01+WMK-03
Wall Mount (Landscape only)	WMA-01, WMK-01, WMK-03, PMK-01
Desk mount (Landscape only)	DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02
Handle	HDL-02

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