

In hospital environments, performance, reliable, and accurate image reproduction are imperative. From medical images to patient data, the hospital environment is complex ecosystem that requires advance technology to keep it running smoothly. The M270DF with a UHD 4K (3840 x 2160) resolution and a 3D LUT for color accuracy, helps minimize errors and improve hospital operational efficiencies.

## Product Features

- 27" Display with UHD 4K (3840 x 2160) native resolution
- Dimmable 0-100% with backlight light sensing
- LC Fiber module for (HDMI, Control, USB for touch)
- 3D Look Up Table (LUT) for color adjustment
- Capacitive touch keys give users quick and easy access to the information they need



## Product Specifications

<p><b>TFT Technology</b> LED Backlight Technology, TFT Active-matrix, Widescreen, IPS Technology</p>
<p><b>Viewable Size and Active Area</b> 27" diagonal, 23.5"(H) x 13.5"(V) mm</p>
<p><b>Native Resolution and Pixel Pitch</b> 3840 x 2160 (UHD 4K), 155 (H) x 155(V)mm</p>
<p><b>Aspect Ratio and Response Time</b> 16:9, 12ms (Gray to Gray)</p>
<p><b>Light Intensity and Contrast Ratio</b> 550 cd/m<sup>2</sup> (typ) - 1000:1 (typ)</p>
<p><b>View Angle and Max Colors</b> 89/89/89/89, 1.07B</p>
<p><b>Synchronization Signal Auto-detect</b> Digital Separate Sync., Composite Sync., Sync. On Green</p>
<p><b>Synchronization Range</b> 31.5 kHz to 60.0 kHz (H) - 30 Hz to 75 Hz (V)</p>
<p><b>Optimal Resolution and Hz</b> 3840 x 2160 @ 60 Hz 4:4:4</p>
<p><b>Detectable Resolutions</b> 640 x 480, 720 x 400, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080, 1920 x 1200, 2560 x 1440, 3840 x 2160, 4096 x 2160</p>
<p><b>Product Features</b> Backlight Light sensing, remote control via fiber</p>
<p><b>Power Specifications and Consumption</b> 24V DC in 80W, with external 110-240V AC to DC Adapter</p>
<p><b>User Controls and Activity</b> Behind glass OSD, front IP65 with: Power On/Off, On Screen Display Menu, Brightness Control (-/+), Hotkeys (left/right)</p>

<p><b>Input:</b></p> <ul style="list-style-type: none"> <li>• 3G SDI</li> <li>• Fiber or HDMI 2.0</li> <li>• DP 1.4</li> <li>• Mic</li> </ul>	<ul style="list-style-type: none"> <li>• VGA</li> <li>• DVI</li> <li>• HDMI 1.4</li> </ul>												
<p><b>Output:</b></p> <ul style="list-style-type: none"> <li>• DP</li> <li>• Line</li> <li>• 5V out</li> </ul>													
<p><b>Product Dimensions and mounting</b> 643.6 x 408.5 x 48 mm 4 x M4 VESA mounting 100 x 100mm, 4 x M4 VESA mounting 200 x 100mm</p>													
<p><b>Product Weight</b> 10 Kg</p>													
<p><b>Factory Options</b></p> <ul style="list-style-type: none"> <li>• Projected Capacitive Multitouch, USB</li> <li>• With fiber option, bi-directional Ethernet, USB, RS232, and Audio are available.</li> </ul> <table border="1"> <thead> <tr> <th>Fiber</th> <th>Resolution</th> <th>Transmission Distance</th> </tr> </thead> <tbody> <tr> <td>Single</td> <td>1080P/60 Hz</td> <td>500m</td> </tr> <tr> <td>Single</td> <td>4K2K/30 Hz</td> <td>30m</td> </tr> <tr> <td>Dual</td> <td>4K2K/60 Hz</td> <td>30m</td> </tr> </tbody> </table>		Fiber	Resolution	Transmission Distance	Single	1080P/60 Hz	500m	Single	4K2K/30 Hz	30m	Dual	4K2K/60 Hz	30m
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Single	1080P/60 Hz	500m											
Single	4K2K/30 Hz	30m											
Dual	4K2K/60 Hz	30m											
<p><b>Operating Temperature</b> -10 deg.C to 55 deg.C, Humidity up to 95%</p>													
<p><b>Storage Temperature</b> -20 deg.C to 60 deg.C, Humidity up to 95%</p>													
<p><b>IP Rating</b> Protection: front IP65 - IP22 rear</p>													
<p><b>Color Calibration</b> 3D LUT, color profile upload via USB or Fiber</p>													
<p><b>Type Approval, Testing and Certificates</b> ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, CAN ICES-3(b)/NMB-3(b), FCC-B, EN60601-1, EN60601-1-2, CE, MDD 93/42/EEC. RoHS. WEEE, Class I Medical Device, front IP65</p>													



## Designed and built to survive in the hospital environment



Signature true flat display screen with edge to edge design that can withstand splash of water or any reagents



Capacitive touch keys give users quick and easy access to the information they need.



4K UHD which provide high quality images with high contrast ratio

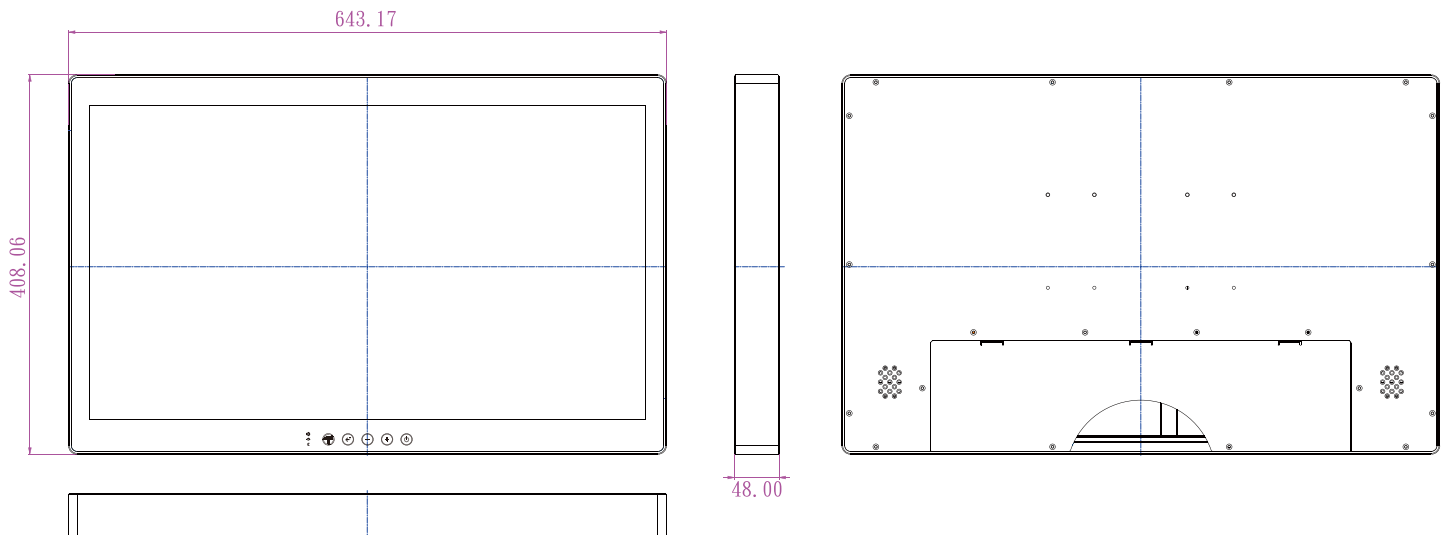


In-Plane Switch, a technology where the liquid crystals stay parallel to the panel as opposed to twisting at angles. Resulting in perfect viewing angle, brightness, and switching speed



3D Look up table for color adjustment to improve the color stability of medical display

## Mechanical Drawing



## Application

- Surgery
- Oncology
- Orthopedics
- Intensive Care Unit
- Patient Information
- Cardiology

