

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 M320DF 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

- 32" 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>TFT Technology LED Backlight Technology, TFT Active-matrix, Widescreen, IPS Technology</p> <p>Viewable Size and Active Area 32" diagonal, 708.48"(H) x 398.52"(V) mm</p> <p>Native Resolution and Pixel Pitch 3840 x 2160 (UHD 4K), 184.5 (H) x 184.5(V)mm</p> <p>Aspect Ratio and Response Time 16:9, 12ms (Gray to Gray)</p> <p>Light Intensity and Contrast Ratio 350 cd/m² (typ) - 1000:1 (typ)</p> <p>View Angle and Max Colors 89/89/89/89, 1.07B</p> <p>Synchronization Signal Auto-detect Digital Separate Sync., Composite Sync., Sync. On Green</p> <p>Synchronization Range 31.5 kHz to 60.0 kHz (H) - 30 Hz to 75 Hz (V)</p> <p>Optimal Resolution and Hz 3840 x 2160 @ 60 Hz 4:4:4</p> <p>Detectable Resolutions 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>Product Features Backlight Light sensing, remote control via fiber</p> <p>Power Specifications and Consumption 24V DC in 120W, with external 110-240V AC to DC Adapter</p> <p>User Controls and Activity Behind glass OSD, front IP65 with: Power On/Off, On Screen Display Menu, Brightness Control (-/+), Hotkeys (left/right)</p>	<p>Input:</p> <ul style="list-style-type: none"> • 3G SDI • Fiber or HDMI 2.0 • DP 1.4 • Mic <p>Output:</p> <ul style="list-style-type: none"> • DP • Line • 5V out • VGA • DVI • HDMI 1.4 <p>Product Dimensions and mounting 777.58 x 477.62 x 48 mm 4 x M4 VESA mounting 100 x 100mm, 4 x M4 VESA mounting 200 x 100mm</p> <p>Product Weight TBD</p> <p>Factory Options</p> <ul style="list-style-type: none"> • Projected Capacitive Multitouch, USB • With fiber option, bi-directional Ethernet, USB, RS232, and Audio are available. <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> <p>Operating Temperature -10 deg.C to 55 deg.C, Humidity up to 95%</p> <p>Storage Temperature -20 deg.C to 60 deg.C, Humidity up to 95%</p> <p>IP Rating Protection: front IP65 - IP22 rear</p> <p>Color Calibration 3D LUT, color profile upload via USB or Fiber</p> <p>Type Approval, Testing and Certificates 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>	Fiber	Resolution	Transmission Distance	Single	1080P/60 Hz	500m	Single	4K2K/30 Hz	30m	Dual	4K2K/60 Hz	30m
Fiber	Resolution	Transmission Distance											
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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

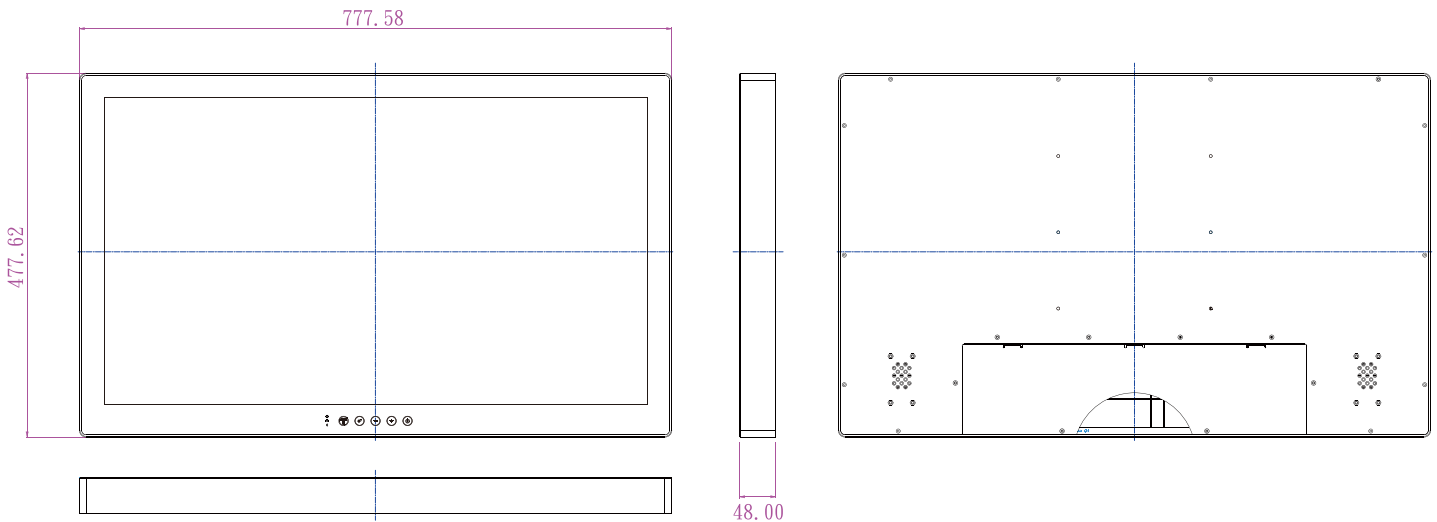


In-Plane Switch, a technology where the liquid crystals stay parallel to the panel as opposed to twisting at angles. Resulting in perfect viewing angle, brightness, and switching speed



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

