Optik View

3 MP Medical Color Display

For X-ray

MDF2080-3CCF

20.8" | 11.5bit LUT | 2048 × 1536 | High luminance 400cd/m² | Contrast 600:1 | Preset Gamma Setting

3MP Medical Color Display | MDC2080-3CCF

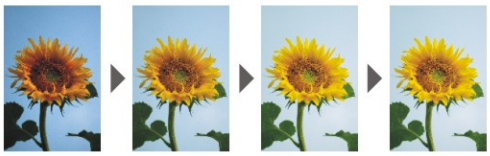
High Brightness for better image quality and longer life

Precision through Technology

Built to support the most demanding PACS and Modality Requirements. The 3M (2048 X 1536, QXVGA) Optik View diagnostic displays offer clear and precise images. All our color medical displays feature industry leading color consistency, 8-bit to 10-bit conversion algorithm and advanced 10-bit dithering technology.

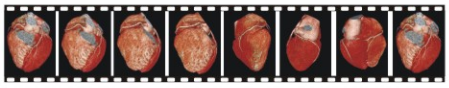
Adjustable Gamma setting

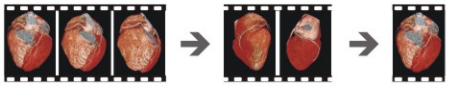
3 MP Color medical displays provide users the ability to define desired DICOM GSDF Gamma settings such as 1.8, 2.0, and 2.2. Predefined Gamma settings ensure consistency and uniformity when performing color and grayscale rendering.

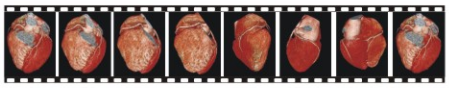


Dual Link Input Support

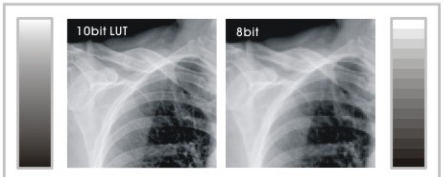
With dual link input support, monitors achieved a clock frequency of 60 Hz even when displaying QXGA (1536 x 2048) resolution. This enables frame synchronization between the computer and the monitor, which reproduces a smooth moving picture without any dropping of frames.
Graphics board with dual link compatibility required.


Computer Operating Frequency 60 Hz


Single Link = Monitor Clock Frequency 40 Hz : Frame Droppings


Dual Link = Monitor Clock Frequency 60 Hz : Smooth Moving Picture

Finest grayscale



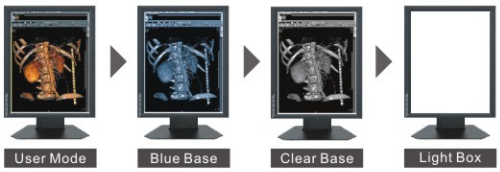
The images shown are for illustrative purpose.

* Images are provided for explanation purposes.

Medical images can contain higher dynamic range information then general-purpose monitors can display because monitors are limited to displaying only 256 shades of gray. A linear mapping of higher resolution medical image to the display will make the images appear uneven and discontinuous. Our medical displays map the higher resolution images to the most appropriate gray scale value by using a built-in 10bit LUT. This technology allows the user to visualize much finer and smoother grayscale information than is possible with a general-purpose display.

Smart mode setting

The one button function consists of four user-selectable modes, each with different settings for brightness and gamma. It includes two DICOM modes - DICOM-CL and DICOM-BL for clear and blue base film, as well as user model, Light Box mode.....



High Speed Graphic Performance

Robust 8 and10 bit graphic board, designed for high image precision, can support dual DVI-I inputs up to 5-MP (dual head) diagnostic displays.

Photo Sensor achieved Stable and Consistent Image

- Attachable to monitor bezel with a USB connector.
- Calibration to DICOM Part14 standard.
- Remote calibration with network QC management software.

Ergonomic Design

The screen can be easily adjusted to the ideal viewing position with height adjustable stand, 15°tilt, 45° swivel, and support for both portrait and landscape modes.

LCD Type	IPS RGB
Native Resolution	2048*1536/1536*2048
Pixel Pitch	0.270(H)*0.270(V)mm
Active Screen Area	423.9(H)*318.0(V)mm
Contrast	600:1(typ)
Luminance(Typical)	400 cd/m² calibrated,550cd/m² max
Viewing Angle(H/V)	85/85,85/85, (Horizental/Vertical)
Backlight Lamp Life	50K hours
Plug & Play	Support VESA DDC2B and DDC/CI; PC2001compliant
Input Signal	DVI-I
Sync Input	Separate sync(HSYNC/VSYNC); composite sync,Sync on Green (activated through on-screen display)
USB 2.0	USB hub with 1up and 2 down stream port
ALS(Auto Luminance Stabilizer)	Yes
Power Supply	Auto-ranging,90 to 265 VAC; internal power supply
Input Power	100~240 VAC
	50~60Hz
Operating Temperature	0℃ to 35℃(32℉ to 95℉)
Mount	VESA 100 mm
Gamma Preset	Gamma 1.8,2.0,2.2;DICOM part 14
Accessories	Graphic Card / PhotoSensor

Wordwide medical safety standard approval

All display meets the strictest medical, safety and EMC emissions standards including EN60601-1, CE, CB, CSA C22.2 No.601-1, FCC, FDA510(K), AAPM-TG18.

Tested To Comply With FCC Standards FOR HOME OR OFFICE USE

LISTED I.T.E 12EJ E233592

Rohs

ISO 13485 Certification

Our facilities are certified to ISO9001 and ISO13485 quality system controls. We have the ability to consistently meet our customer requirements for these devices and services.