

CLINTON DL3000

Medical Diagnostic Grayscale Three Megapixel QXGA Panel

- 3 Megapixel format (1536 X 2048)
- 20.8" Diagonal Viewing Size
- Fully Digital Display
- Luminance Stabilization Circuit
- Adjustable Luminance Value
- Factory Gamma Correction (DICOM)
- Built In 90-264 VAC Power Supply
- 700 cd/m² Max Luminance
- .20 X .20 mm Pixel Pitch
- Protective Contrast Panel
- 75 Watts Power Consumption
- USB communications port



The Clinton Electronics DL3000 Series II Digital Grayscale monitors offer exceptional viewing quality for diagnostic imaging.

Standard Features include built in Gamma correction circuitry, each monitor is factory calibrated to achieve DICOM part 3.14 compliance. The Luminance Stabilization circuit employs a built in photo-sensor to keep the back lamps at a constant luminance for consistent calibration over the life of the display. Each system comes standard with Clinton's luminance control software, which enables the user to set the luminance level and track the performance of the monitor, while maintaining DICOM compliance throughout the Luminance range. The multi-colored LED informs the user of the

display's operating status.

The built in power supply eliminates the requirement for the external brick, reducing clutter on the desktop. To protect the LCD panel, there is a contrast enhancing, anti-reflective protective glass panel in front of the screen.

The monitor is available as a single or dual head display, coupled with the Matrox[®] MED3mp series graphics card via a DVI connector using packed pixel technology. The Matrox card provides Portrait or Landscape orientation at high speed for fast, flicker-free cineloop presentation. Installation is simple and hassle free with support for Microsoft Windows[®] NT, 2000, and XP.

CLINTON... PROVIDING SOLUTIONS TO THE DISPLAY INDUSTRY FOR 40 YEARS

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CLINTON DL3000

Series II

Specifications

MONITOR FEATURES

Luminance Stabilization Circuit: An on-board sensor constantly detects and maintains the LCD back lamps at the desired setting. This assures the monitor's luminance will be maintained at a constant setting throughout its life.

Luminance Control Software: By connecting the monitor to the computer's USB port, access to the Luminance Control Software will allow the user to set their own luminance of the display. To assure a long service life, the monitor is factory set at 515 Nits (150 Ft-L). This allows the monitor to maintain this brightness for several years before replacement of the lamps is necessary. The Luminance Control Software will e-mail a designated address when service is required.

Gamma Correction Curve: The monitor is factory calibrated with its own DICOM Gamma Correction Curve. This Built-in Look Up Table (LUT) assures accurate reproduction of the image from the monitor. The monitor will display 256 distinct shades of gray from a pallet of 1024 shades stored on the graphics card.

Protective Contrast Panel: The front of the screen has an Anti-reflective OCLI HEA[®] coated panel to improve contrast and protect the LCD screen from potential damage.

Built in Power Supply: The power supply is built in to the unit, providing a direct connection to the power source. This eliminates the need for an external DC power supply.

Power Saver Feature: The monitor will go into a reduced power mode when the computer goes into its sleep mode. The display will resume operation when the computer resumes normal operation.

Mounting Features: The monitor comes with a tilt/swivel stand for desktop use, and is capable of Portrait or Landscape orientation. There is also a 100 mm VESA standard mount on the rear of the unit for wall mount or custom mounting options.

Intelligent LED: The LED on the front of the display indicates the operating condition of the monitor, and alerts the user when the lamps are out of calibration. Green: Normal operation. Yellow: Warm up mode. Red: Needs service attention.

USB Port: The monitor is equipped with 1 upstream and 2 downstream USB ports to inter-connect the monitors to the computer for calibration and tracking purposes.

Graphics Card: The monitor is bundled with a Matrox[®] MED3mp-DVI graphics card. This card allows precision reproduction of the image with hardware pivot for fast video speed. The card is configured for a dual head display, and multiple cards can be installed in the computer for a quad head display, or a dual head grayscale and single head color configuration.

Medical Grayscale

Three Megapixel

QXGA Panel

DISPLAY SPECS

LCD Type:

IBM IDTech[®]
Dual In-plane
Switching

Pixel Resolution:

1536 x 2048

Pixel Pitch:

0.20 x 0.20 mm

Graphics Standard:

QXGA

Viewing Angle:

170 Degrees

Brightness Max:

720 Nits (210 Ft-L)

Factory Setting:

515 Nits (150 Ft-L)

Grayscale Bit Depth:

9.5 Bits (3x8 Bits)

Grayscale Levels:

256 from pallet of
1024

Contrast Ratio:

700:1 Typical

Response Time:

25 ms @ 25° C

Diagonal Size:

20.8"

Active Video Area:

16.77 x 12.67 inch
424 x 318 mm

INPUT

Signal Connector:

DVI-I (D) Digital
Matrox[®] MED3mp
DVI Dual head PCI
Packed Pixel

Graphics Card:

IEC 320

Power Connector:

1 Up, 2 Dn Ver 1.3

USB Connector:

POWER

Input Voltage:

90-264 VAC
Internal

Wattage:

60 Watts Typical
75 Watts Max.
14 Watts Sleep

MECHANICAL

Weight:

17 Lbs w/Stand

Dimensions:

With Stand:

14.7w x 22h x 9.5d

Without Stand:

14.7w x 19h x 4.2d

VESA Mounting:

100mm x 100mm

Agency:

UL60950, CE

Included Accessories:

Power Cord (US)
DVI-D Cable x 6ft
USB Cable

Specifications subject to change without notice

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