# ViewZ

# MEDICAL MONITOR

## Medical Displays

**Medical monitoring is an essential component of the clinical research process. Medical monitors provide medical expertise and oversight for the entire clinical trial, from initial study design through final study close-out.**
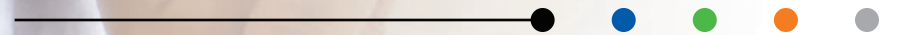
ViewZ designs and manufactures the medical monitors and medical display solutions address imaging needs, including mammography displays, PACS displays, endoscopy, x-ray, ultrasound or sectional imaging, and provide a critical part of the diagnostic chain.

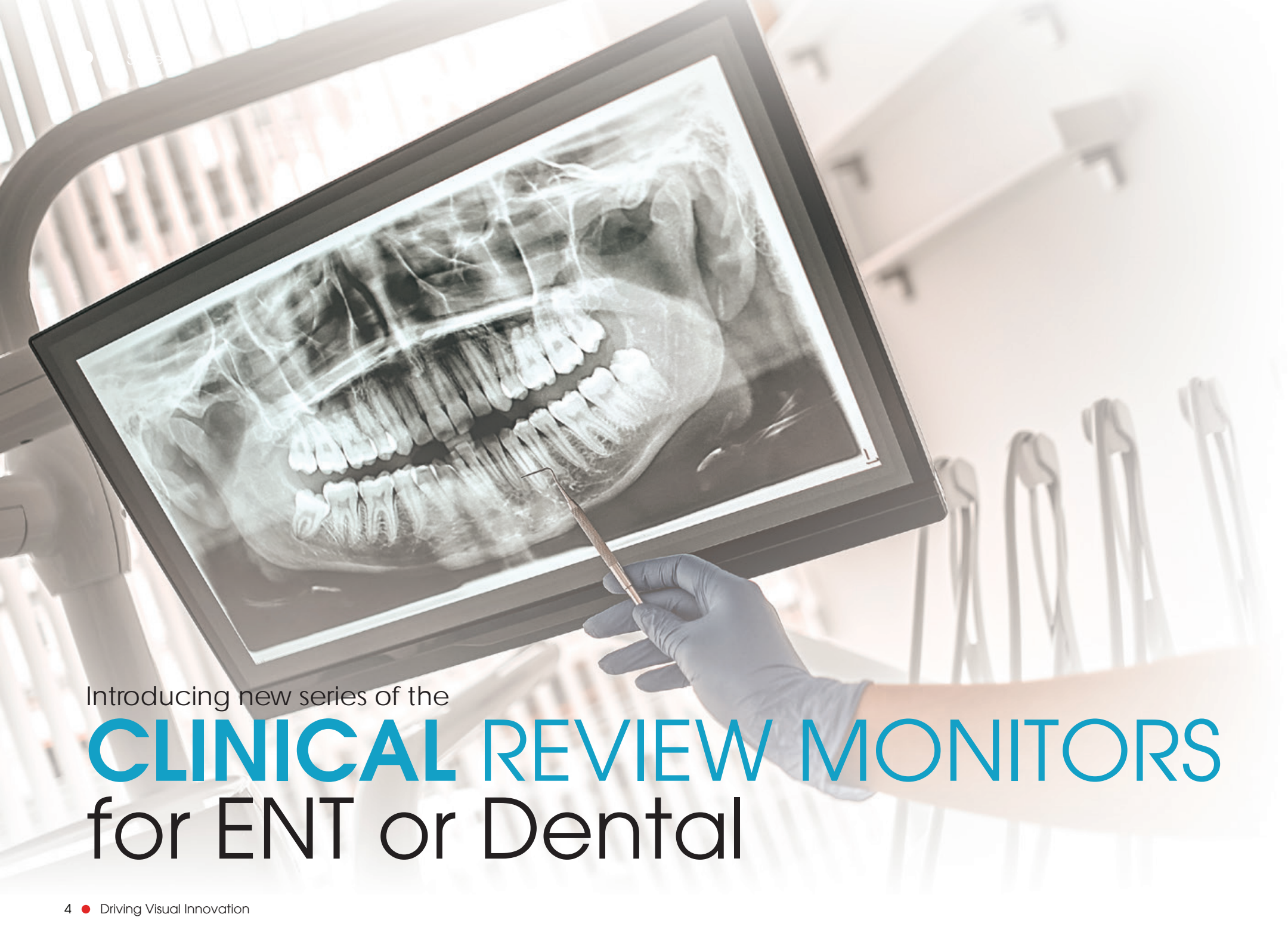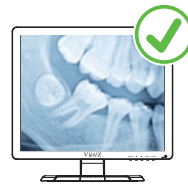Introducing new series of the

# **CLINICAL** REVIEW MONITORS
# for ENT or Dental

Medical monitoring is an essential component of the clinical research process. Medical monitors provide medical expertise and oversight for the entire clinical trial, from initial study design through final study close-out.

## Accurate Image Quality

ViewZ offset correction function can quickly stabilizes the brightness level when the display starts up, allowing you to view the most accurate images right away.

# RTN-ME

## Clinical Review Monitor
### 4:3 HDMI/VGA/CVBS Interface

- 17" & 19" Professional 4:3 Display Monitors
- 3D Comb-filter, De-Interlace
- HDMI, VGA
- 2 BNC(Composite) Inputs / 1 BNC (Composite) Output (Loop-through)
- Built-in Speakers, Auto Source & Power Recovery
- Built to run 24/7/365
- 3-Year Warranty
- Medical Safety Power Supply Approved (2 x MOPP) according to ANSI/AAMI ES60601-1 and IEC/EN60601-1

| Display | VZ-17RTM-ME | VZ-19RTM-ME |
|---|---|---|
| Screen Size (Max.Resolution) | 17" (1280 x 1024 @60Hz) | 19" (1280 x 1024 @60Hz) |
| Pixel Pitch | 0.264 mm x 0.264 mm | 0.2331 mm x 0.2331 mm |
| Viewing Display Area | 337.920 mm x 270.336 mm | 376.32 mm x 301.06 mm |
| Brightness (Max.) | 300 cd/m² (Typical) | 250 cd/m² (Typical) |
| Viewing Angle (H/V) | 170° / 150° | 170° / 160° |
| Contrast | 700:1 | 1000:1 |
| Color | 8 bit | 8 bit |
| Response Time | 5 ms | 5 ms |
| Power Consumption (Approx.) | ≤ 20 W | ≤ 23 W |
| Interface | | |
| Input | CVBS (BNC), VGA, HDMI, Audio | CVBS (BNC), VGA, HDMI, Audio |
| Output | CVBS (BNC), Audio | CVBS (BNC), Audio |

# CMP-ME 16:9 HDMI/ VGA/CVBS Interface

| Display | VZ-19CMP-ME | VZ-22CMP-ME | VZ-24CMP-ME | VZ-27CMP-ME |
|---|---|---|---|---|
| Screen Size (Max.Resolution) | 19.5" (1920 x 1080 @60Hz) | 22" (1920 x 1080 @60Hz) | 24" (1920 x 1080 @60Hz) | 27" (1920 x 1080 @60Hz) |
| Pixel Pitch | 0.2265 mm x 0.2265 mm | 0.24795 mm x 0.24795 mm | 0.2745 mm x 0.2745 mm | 0.3114 mm x 0.3114 mm |
| Viewing Display Area | 337.920 mm x 270.336 mm | 476.064 mm x 267.786 mm | 527.04 mm x 296.46 mm | 597.888 mm x 336.312 mm |
| Brightness (Max.) | 200 cd/m² (Typical) | 250 cd/m² (Typical) | 250 cd/m² (Typical) | 250 cd/m² (Typical) |
| Viewing Angle (H/V) | 176° / 176° | 178° / 178° | 178° / 178° | 178° / 178° |
| Contrast | 3000:1 | 1000:1 | 1000:1 | 1000:1 |
| Color | 8 bit | 8 bit | 8 bit | 8 bit |
| Response Time | 25 ms | 8 ms | 8 ms | 8 ms |
| Power Consumption (Approx.) | ≤ 24 W | ≤ 22 W | ≤ 24 W | ≤ 30 W |
| **Interface** | | | | |
| Input | CVBS(BNC), VGA, HDMI, Audio | CVBS(BNC), VGA, HDMI, Audio | CVBS(BNC), VGA, HDMI, Audio | CVBS(BNC), VGA, HDMI, Audio |
| Output | CVBS(BNC) | CVBS(BNC) | CVBS(BNC) | CVBS(BNC) |
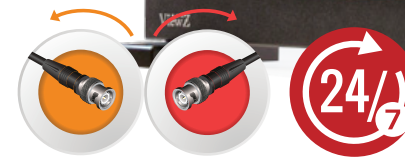


# LED 3G-SDI/HDMI/ VGA/YPbPr Interface

| Display | VZ-215LED-L1-ME |
|---|---|
| Screen Size (Max.Resolution) | 21.5" (1920 x 1080 @60Hz) |
| Pixel Pitch | 0.24825 mm x 0.24825 mm |
| Viewing Display Area | 596.74 mm x 335.66 mm |
| Brightness (Max.) | 250 cd/m² (Typical) |
| Viewing Angle (H/V) | 170° / 160° |
| Contrast | 1000:1 |
| Color | 8 bit |
| Response Time | 5 ms |
| Power Consumption (Approx.) | ≤ 24 W |
| **Interface** | |
| Input | 3G-SDI, HDMI, VGA, YPbPr, USB, Audio |
| Output | 3G-SDI, Audio |

# DIAGNOSTIC
## DISPLAYS

Diagnostic Display combines unique LCD panel with the latest IPS technology, which provides top image quality. Its high brightness and contrast is beneficial to show the details, ensure the radiologist make more accurate diagnosis.

### Accurate Image Quality

ViewZ's offset correction function can quickly stabilizes the brightness level when the display starts up or wakes up from sleep mode, allowing you to view the most accurate images right away. In addition, its sensors are also used to measure backlight brightness, automatically compensating for fluctuation in display brightness caused by ambient temperature and aging, keeping the brightness contrast

### Precise Diagnosis

ViewZ measures and set each grayscale hue carefully, to comply with the DICOM standard, and can be off-line automatic DICOM verification.

# MDM Diagnostic Displays
## MONOCHROME SERIES

## DVI/DP/VGA Interface

| Display | VZ-22MDM-2M | VZ-22MDM-3M | VZ-22MDM-5M |
|---|---|---|---|
| Screen Size (Max.Resolution) | 21.3" (1600 x 1200 @60Hz) | 21.3" (2048 x 1536 @60Hz) | 21.3" (2506 x 2048 @60Hz) |
| Pixel Pitch | 0.270 mm x 0.270 mm | 0.2115 mm x 0.2115 mm | 0.165 mm x 0.165 mm |
| Viewing Display Area | 432 mm x 324 mm | 433.15 mm x 324.86 mm | 422.4 mm x 337.92 mm |
| Brightness (Max.) | 2000 cd/m² (Typical) | 2000 cd/m² (Typical) | 3000 cd/m² (Typical) |
| Viewing Angle (H/V) | 178° / 178° | 170° / 170° | 178° / 178° |
| Contrast | 1800:1 | 1500:1 | 2000:1 |
| Color | 14 bit | 14 bit | 14 bit |
| Response Time | 19 ms | 28 ms | 25 ms |
| Display Surface Treatment | ANTI-Dazzle | ANTI-Dazzle | ANTI-Dazzle |
| Power Consumption (Approx.) | ≤ 55 W | ≤ 55 W | ≤ 60 W |
| Interface | | | |
| Input | DVI, DP, VGA | DVI, DP, VGA | DVI, DP, VGA |

- HD 21.3" Professional Display Monitors
- Ambient Light Sensing System - Preposition ambient light sensing to realize real-time monitor ambient light, and do environment brightness attenuation compensation
- High Resolution Improve the Working Flow - With the highest resolution of the clinical review display, add the visual space and free layout, able to display all kinds of image, such as CT and MR image with the flat form. It can also check the old and new scanning image to compare at the same time, that improve the efficiency.
- Gamma
- Super Wide Viewing Angle
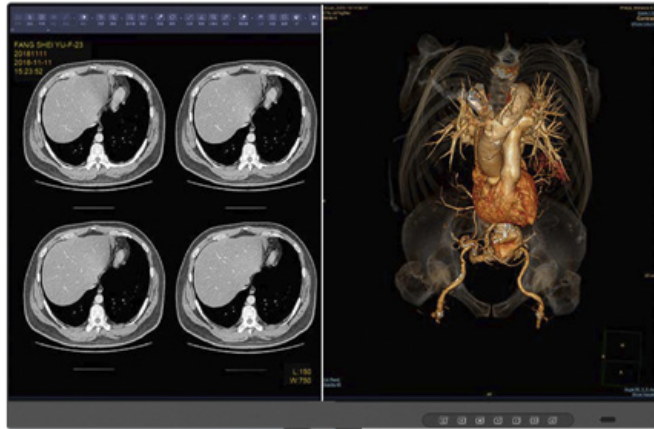- Multi-Angle Free Conversion
- 3-Year Warranty

# MDM Diagnostic Displays
## COLOR SERIES

## DVI/DP/VGA/HDMI Interface

| Display | VZ-22MDM-3C | VZ-24MDM-2C |
|---|---|---|
| Screen Size (Max.Resolution) | 21.3" (2048 x 1536 @60Hz) | 24" (1920 x 1200 @60Hz) |
| Pixel Pitch | 0.2115 mm x 0.2115 mm | 0.27 mm x 0.27 mm |
| Viewing Display Area | 433.15 mm x 324.86 mm | 518.4 mm x 324 mm |
| Brightness (Max.) | 1000 cd/m² (Typical) | 600 cd/m² (Typical) |
| Viewing Angle (H/V) | 178° / 178° | 178° / 178° |
| Contrast | 1500:1 | 1000:1 |
| Color | 14 bit | 16 bit |
| Response Time | 25 ms | 14 ms |
| Display Surface Treatment | ANTI-Dazzle | ANTI-Dazzle |
| Power Consumption (Approx.) | ≤ 80 W | ≤ 50 W |
| **Interface** | | |
| Input | DVI, DP, VGA | DVI x1, DP x1, HDMI x3 |

# PACS
# INTEGRATED

ViewZs' monitors can apply for PACS Systems (picture archiving and communication system) are a medical imaging technology which provides economical storage, retrieval, management, distribution and presentation of medical images. Electronic images and reports are transmitted digitally via PACS systems.

# MPAC PACS Integrated DVI/DP/HDMI Interface SERIES

| Display | VZ-27MPAC | VZ-32MPAC |
|---|---|---|
| Screen Size (Max.Resolution) | 27" (2560 x 1440 @60Hz) | 31.5" (3840 x 2160 @60Hz) |
| Pixel Pitch | 0.2331 mm x 0.2331 mm | 0.181 mm x 0.181 mm |
| Viewing Display Area | 596.74 mm x 335.66 mm | 698.4 mm x 392.85 mm |
| Brightness (Max.) | 500 cd/m² (Typical) | 650 cd/m² (Typical) |
| Viewing Angle (H/V) | 178° / 178° | 178° / 178° |
| Contrast | 1000:1 | 1700:1 |
| Color | 14 bit | 14 bit |
| Response Time | 14 ms | 9.5 ms |
| Display Surface Treatment | ANTI-Dazzle | ANTI-Dazzle |
| Power Consumption (Approx.) | ≤ 50 W | ≤ 130 W |
| Interface | | |
| Input | DVI, DP x1, HDMI x3 | DVI, DP x1, HDMI x3 |

- 2K 27" & 4K 32" Professional Display Monitors
- Ambient Light Sensing System - Preposition ambient light sensing to realize real-time monitor ambient light, and do environment brightness attenuation compensation
- High Resolution Improve the Working Flow - With the highest resolution of the clinical review display, add the visual space and free layout, able to display all kinds of image, such as CT and MR image with the flat form. It can also check the old and new scanning image to compare at the same time, that improve the efficiency.
- Seamless Dual Screen - PBP
- 3-Year Warranty

# SURGICAL
DISPLAYS

Surgical Displays deliver Ultra High Definition (UHD) and 4K visualization within the surgical field. These surgical monitors perform wider color space and necessary video interface such as a single 12G-SDI or quad SDI in the neurosurgical, ophthalmology or endoscopy market

**Wide Color Space**

**High Brightness**

# MSD Surgical Display SERIES

## DVI/DP/HDMI Interface

- 4K 27" & 32" Professional Display Monitors
- Multiple Signal Interface
- Nano Fouling Resistant Coating
- Freeze, Purfication Requirement
- 3-Year Warranty

| Display | VZ-27MSD | VZ-32MSD |
|---|---|---|
| Screen Size (Max.Resolution) | 27" (3840 x 2160 @60Hz) | 31.5" (3840 x 2160 @60Hz) |
| Pixel Pitch | 0.1554 mm x 0.1554 mm | 0.181 mm x 0.181 mm |
| Viewing Display Area | 596.736 mm x 335.664 mm | 698.4 mm x 392.85 mm |
| Brightness (Max.) | 800 cd/m² (Typical) | 650 cd/m² (Typical) |
| Viewing Angle (H/V) | 178° / 178° | 178° / 178° |
| Contrast | 1000:1 | 1700:1 |
| Color | 8 bit | 8 bit |
| Response Time | 14 ms | 9.5 ms |
| Display Surface Treatment | ANTI-Dazzle | ANTI-Dazzle |
| Power Consumption (Approx.) | ≤ 65 W | ≤ 160 W |
| **Interface** | | |
| Input | DVI, HDMI, DP, VGA | VGA, DVI, S-Video, SDI, CVBS (BNC), YPbPr, RGB, RS232, USB |
| Output | - | DVI, S-Video, SDI, CVBS (BNC), YPbPr |

# MEDICAL PRODUCT LINEUP BROCHURE

**ViewZ** ®
DRIVING VISUAL INNOVATION

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Placentia, CA 92870

### Sales
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- **T** 1-714-996-1177
- **F** 1-714-996-1138
- **TF** 1-888-99-ViewZ
- **S** Monday-Friday 7am - 5pm

### Technical Support
- **E** techsupport@viewzusa.com
- **T** 1-714-996-1177
- **S** Monday-Friday 8am - 5pm

## PROFESSIONAL MONITORS

Grade "A" Panels, 24/7 Operation
and 3 Year Factory Warranty

ViewZ monitors are built with commercial grade "A" panels that have superior color reproduction and much higher reliability. Built to run 24/7, ViewZ monitors are made to last and backed with 3 year factory warranty.

For more information, please visit

## www.ViewZUSA.com