

Premium 4K SuperClear® AH-IPS Professional Monitor



VP2780-4K

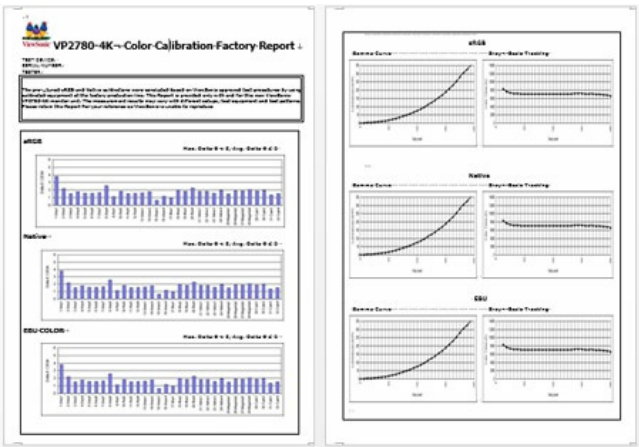


The ViewSonic VP2780-4K is a 27" Professional Ultra HD LED monitor that delivers stunning definition for color-critical applications. With 3840x2160 resolution, and SuperClear® AH-IPS technology for wide-angle viewing, this 10-bit monitor can display up to 1.07 billion colors with pre-calibrated Delta E≤2. This provides superior color accuracy and performance for content creation, graphic design, print, and other professional applications. Equipped with an exclusive wide-range gamma setting and ViewMode technology, the VP2780-4K delivers optimized screen adjustments for different viewing scenarios. This is also one of the first Ultra HD monitors to feature future-proof HDMI 2.0 to support 4K content at 60hz, along with DisplayPort 1.2a, dual MHL connectivity, and 4-port USB 3.0 for versatile connectivity to computing and entertainment devices. ViewSonic's MultiPicture functionality allows for efficient multitasking by providing simultaneous viewing of up to four split windows, while full ergonomic functionality delivers maximum comfort and enhanced productivity.

Unique Color Calibration Factory Report

In order to meet professional graphic designers, video editors, and image processors' high standard of color, ViewSonic utilizes specific color (sRGB, EBU, 6500k) calibration procedures into the flow of production. Before delivering, each VP2780-4K monitor is manually examined by a professional color expert in order to confirm that its color, brightness and color temperature match with the sRGB, Native, and EBU (European Broadcasting Union) color gamut standards. In this unique and detailed Color Calibration Factory Report, three sets of color information and manufacturing results are recorded. Delta E is examined and tested to adjust the color difference and to make sure it can achieve Delta E ≤2, one of the highest color

accuracy standards. The gamma curve is examined to measure and compare the brightness performance based on light and dark scenarios by observing the changes of luminance. For each VP2780-4K, the 0-256 gray-scale is adjusted to coincide with the Gamma 2.2 curve. Gray-Scale Tracking is then used to trace the status of the color temperature based on different gauges of Gray-Scale, allowing the monitor to display precise color through stable color temperature. In addition, each VP2780 is equipped with its own individual Color Calibration Factory Report which includes the complete information of the monitor and ensures a high performance of precise color.



Stunning Ultra HD 4K Resolution

Displaying more than 8 million pixels with a high pixel density of 163 PPI, this Ultra HD 3840x2160 monitor delivers the ultimate in image detail and clarity for stunning, lifelike images. In addition, with 4x more pixels than Full HD resolution, this Ultra HD monitor maximizes productivity by displaying more content.

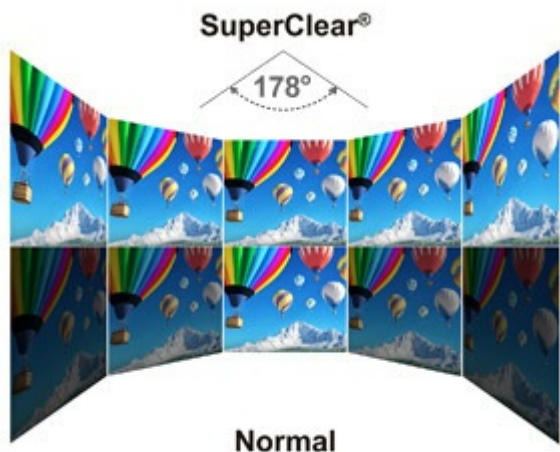


Incredible 10-bit and Delta E≤2 Color Accuracy

With impressive 10-bit color processing, this monitor can display up to 1.07 billion colors for professional-grade color accuracy and stunning images ideal for any multimedia application.

SuperClear® AH-IPS Panel Technology

Enjoy accurate and vivid colors with consistent levels of brightness no matter your vantage point! With SuperClear® AH-IPS panel technology, this monitor delivers the same image quality whether you are looking at the screen from above, below, the front, or the side. SuperClear® AH-IPS panel technology also delivers the best colour performance and extends display viewing angles to 178 degrees both horizontally and vertically.

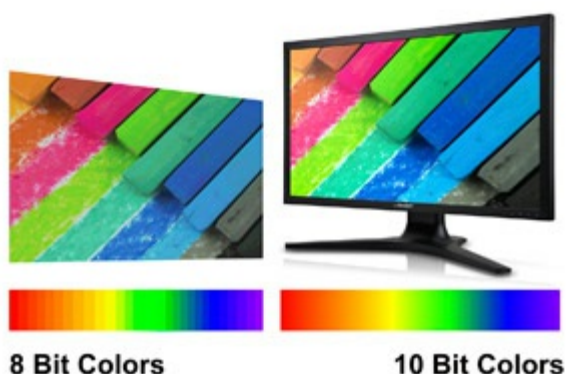


Reviving Color with 100% sRGB Color Coverage

Accurate and consistent color performance is essential for professionals in graphic design, video editing, and other professional environments. With 100% sRGB color coverage capability, the

Featuring Delta E $\leq$ 2 color accuracy, this monitor reproduces phenomenal colors nearly imperceptible from real life for consistent and brilliant colors, every time.

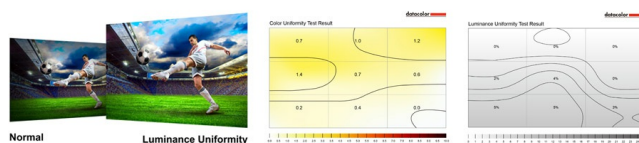
VP2780-4K reproduces 100% sRGB rich color performance and captures images in their original and true colors.



Uniformity Enhancement for Consistent and Balanced Image Performance

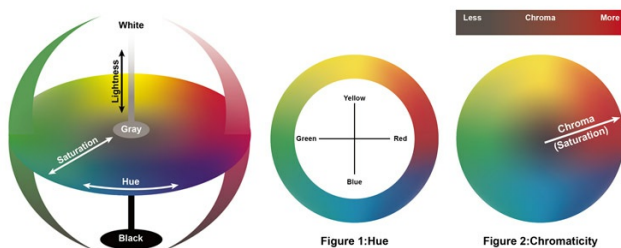
The VP2780-4K's Uniformity Correction function compensates any luminance and color uniformity imbalance on the screen such as dark spots, uneven brightness, or illegible images on the screen. With the ViewSonic uniformity correction function, gray-scale levels are balanced, and delta E scores are improved to be ≤ 2 . Color reproduction, accuracy, and delta E numbers will all be improved, increasing reliability and offering the highest quality viewing experience from every monitor.

* Uniformity function only works while in sRGB, EBU, SMPTE-C and REC709 color modes.



Independent 6-axis Color Adjustment Function

To deliver precise and accurate color performance, the independent 6-axis color adjustment function (red, green, blue, cyan, magenta and yellow) allows users to customize hue and saturation for each color axis individually, without affecting the other color outputs. In addition, the gain and offset functions allow users to control white balance for the upmost control when manipulating contrast and dark scenes.



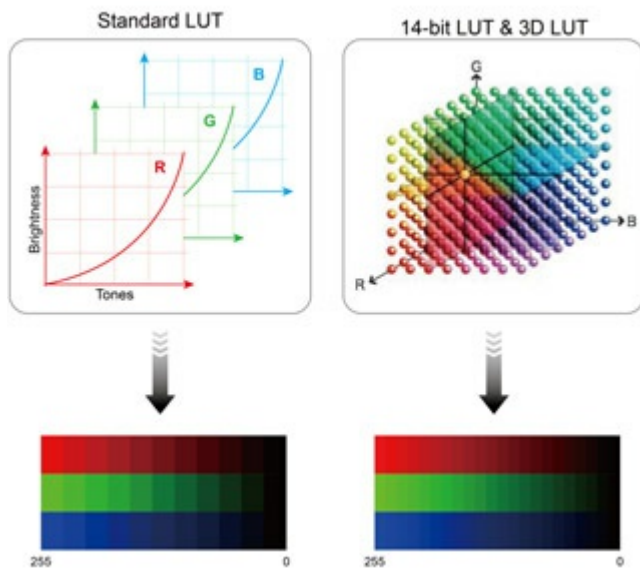
14-bit LUT and 3D LUT Reproduces 4.39 Trillion Accurate Colors

The VP2780-4K adopts a 14-bit LUT and 3D LUT to convert image color from input signal to panel. The 14-bit LUT provides up to 4.39 trillion color palette, without reducing the signal quality while ensuring true-to-life images. In addition, the 3D

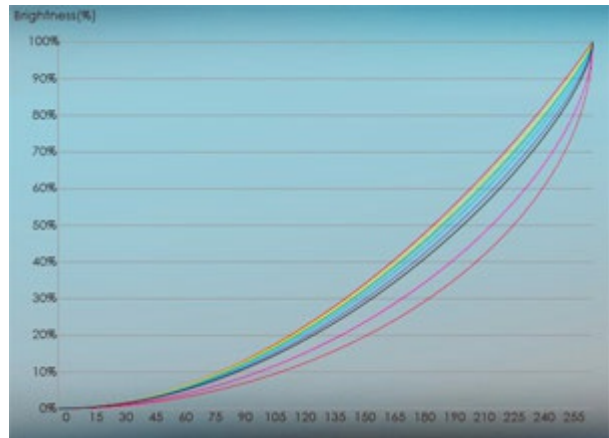
Preset EBU and Gamma Corrections

Delivering broadcast-quality color and stable imaging, this Ultra HD monitor features a pro-style EBU preset ideal for video production and editing. Offering five gamma settings ranging from Gamma 1.8 to Gamma 2.6 (From 1.8, 2.0, 2.2, 2.4 to 2.6), this monitor optimizes color performance and

LUT ensures smoother color gradations and neutral gray tones.

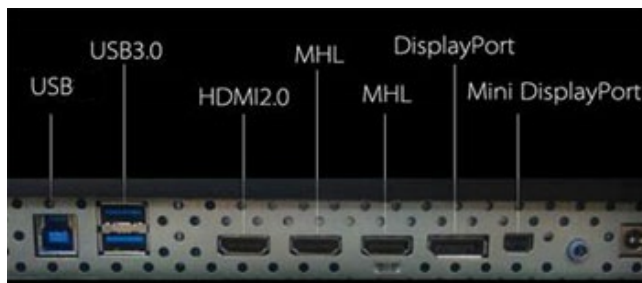


contrast ratio for graphic design, video editing, photography production, and more.



Next Generation Connectivity

Future-proof HDMI 2.0 and DisplayPort 1.2a video standards support 3840x2160 resolution at a quick 60Hz frame rate—guaranteeing jitter-free multimedia, smooth screen performance, and true Ultra HD picture clarity.



Versatile Connectivity for Mobile, Peripheral, and Storage Devices as well as USB Charging

Integrated with MHL, this monitor enables users to connect high definition and compatible mobile devices, such as smartphones and tablets, directly to the monitor. A 4-port USB 3.0 hub provides easy and convenient interface to additional peripherals, accessories, and USB hard drives. In addition, the USB 3.0 ports offer sufficient power to charge any device even during display standby.



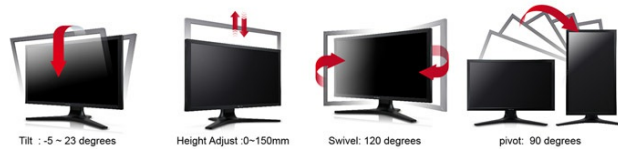
MultiPicture Functionality

This monitor features MultiPicture support for multitasking and simultaneous viewing of up to 4 video sources at Full HD 1080p resolution. Picture-in-Picture (PIP) and Picture-by-Picture (PBP) functionality is also available for increased productivity. In addition to left-right, 3 split windows, the VP2780-4K especially allows allocation of 21:9 aspect ratio vertical and horizontal side-by-side windows, perfect for landscape-oriented software, especially for video, animation production, and other applications.



Ergonomic Design

With advanced ergonomic features, ViewSonic displays are designed to provide a greater range of adjustment for increased productivity and comfort. Users can reduce eyestrain and physical fatigue by adjusting the monitor via swivel, pivot, tilt, and height adjust options.



ViewMode

ViewSonic's unique ViewMode feature offers "Game," "Movie," "Web," "Text," and "Mono" presets. These presets enhance gamma curve, color temperature, contrast, and brightness to deliver an optimized viewing experience for different screen applications.



ViewSonic Flicker-Free Technology

Rather than using Pulse Width Modulation that continuously turns the LED backlight on and off, ViewSonic flicker-free monitors use DC modulation backlights that maintain a steady stream of direct current power—nearly eliminating screen flickering at all brightness levels by providing a constant LED light source.



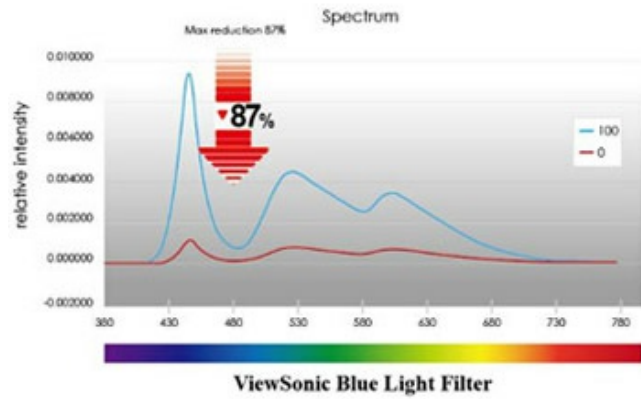
Normal



ViewSonic
Flicker-Free Technology

Blue Light Filter for More Comfortable Viewing

ViewSonic monitors feature a Blue Light Filter setting that allows users to adjust the amount of blue light emitted from the screen, enabling longer viewing times and increased eye comfort for work and multimedia applications. By providing a total of 100 filter levels, ViewSonic displays give users greater flexibility for a wider range of viewing scenarios. The blue light filter bar, seen below, can be adjusted from between 100 to 0 (level 0 is equivalent to a total 87% reduction) to effectively filter out blue light.



Editors' Choice by PC Magazine

"The ViewSonic® VP2780-4K is a solid choice if you want high-end UHD performance..."— John Delaney, PCMag

Recognized as 2015 ENERGY STAR Most Efficient Product

The ENERGY STAR Most Efficient mark is an extension of the ENERGY STAR brand and is designed to recognize and advance the most efficient products among those that qualify for ENERGY STAR. The ViewSonic VP2780-4K has been designated as one of the Most Efficient ENERGY STAR certified products in 2015.



2015 EDITOR

APPROVED

tom's**HARDWARE**



Technical Specifications

LCD	Type	27" TFT LCD (AH-IPS Panel)
	Display Area	27 inch
	Optimum Resolution	3840x2160
	Contrast Ratio	1000:1 (typical), 20,000,000:1 (DCR)
	Brightness	350 cd/m ² (typ)
	Viewing Angles	178° / 178°
	Response Time	4.6ms(GTG average)
	Panel Surface	Anti-Glare type, Hard-coating (3H)
	Light Source	30,000 Hrs (Min)
	Colors	1.07 Billion
Video Input	Frequency	Fh: 15-204KHz; Fv: 24-120Hz
Compatibility	PC	Up to 4096x2160
	Mac	Up to 4096x2160
Ergonomics	Tilt	23° ~ -5°
	Swivel	120° (60° (right) / 60° (left))
	Pivot	90°
	Height Adjust	0-150mm

Connector	Digital	HDMI 2.0x1, MHL2.0x2, DisplayPort 1.2ax2 (mini DP inx1 , DP in x1)
	USB	USB 3.0 (1 Up, 4 Down)
	Power	External Power Adapter
Power	Voltage	AC 100~240V 50/60Hz
	Consumption	46.5W (Typ.); Optimize: 40W (Typ.); Conserve: 33W (Typ.)
Operating Conditions	Temperature	32°F to 104°F (0°C to 40°C)
	Humidity	20% to 90% (no condensation)
Dimensions	Physical	642.7mm (width) x 469.7mm (height) x 347.8mm (depth)
Weight	Net	8.4 kg
Regulations		BSMI,PSB,VCCI,CB,CE, WEEE,RoHS, ErP, EPEAT Gold, REACH, EU,EEL,FCC, Energy Star
Wall Mount		VESA® 100x100 mm
Package Contents		Color Calibration Factory Report / LCD Display/Adaptor/ Power Cable/ DP Cable/ MHL Cable/ HDMI Cable/ USB 3.0 UP Stream Cable/ Quick Start Guide/ ViewSonic Wizard CD-ROM