



Different
Scenarios

Accurate color reproduction
at the screening stage



TV

Film

BenQ PV Series

Video Post-Production Monitor

Marketing Name	PV270	PV3200PT
Product Color	Black	Black
Panel		
Panel Type	IPS	IPS
Back Light	LED	LED
LCD Size (inch)	27"W	32"W
Aspect Ratio	16 : 9	16 : 9
Max.Resolution	2560 x 1440	3840 x 2160 at 60Hz (DR mDP) 3840 x 2160 at 30Hz (HDMI)
Display Area (mm)	596.7 x 335.6	708.5 x 398.5
Pixel Pitch (mm)	0.233	0.185
Brightness (Typ. Uniformity off)	250	250
Contrast (Typ. Uniformity off)	1000 : 1	1000 : 1
Viewing Angle (L/R/U/D) (CR≤10)	178 / 178	178 / 178
Response Time (Tr+Tf) typ.	5ms (GrG)	5ms (GrG)
Display Colors	1.07 B	1.07 B
Color Gamut	100% Rec.709/sRGB, 99% AdobeRGB, 96% DCI-P3	100% Rec.709
Audio / Video Inputs / Outputs		
Input / Output Connector	DVI-DL x 1 / HDMI 1.4 x 1 / DP1.2 x 1 / mDP 1.2 x 1	HDMI 1.4 x 1 / DP 1.2 x 1 / mDP 1.2 x 1
USB Hub	USB 3.0 with card reader (2*downstream, 1*upstream)	USB 3.0 with card reader (2*downstream, 1*upstream)
Precise color		
Preset Modes	Standard / Adobe RGB / sRGB / DCI-P3 / Rec.709 / D50 / D65 / Calibration/ Custom	Standard / Rec.709 / EBU / SMPTE-C / Calibration / Custom
Color Temperature	2800K / 3700K / 5000K / 5500K / 6500K / 7500K / 8200K / 9300K / Custom Mode (increment by 100K)	5000K / 6500K / 9300K / User Define
14bit 3D LUT	Yes, with Delta E≤1.5 (avg)	Yes, with Delta E≤1.5 (avg)
HW Calibration	Yes	Yes
Brightness Uniformity	Yes	Yes
Color Temperature Sensor	Yes	No
Backlight Sensor	Yes	No
Feature		
Eco Sensor	Yes	Yes
Eye Protect Sensor	Yes	Yes
Touch Control Key	Yes	Yes
AC Switch	Yes	Yes
K Locker	Yes	Yes
Certification		
Technicolor	Yes	No
Windows® 7 Compatible	Yes	Yes
Windows® 8 Compatible	Yes	Yes
Windows® 8.1 Compatible	Yes	Yes
Windows® 10 Compatible	Yes	Yes
Mac Compatible	Yes	Yes
Dimension & Weight		
Dimensions (HxWxD mm)	H : 552.55 x 639 x 254.02 L : 417.55 x 639 x 254.02	H : 640.2 x 740.3 x 233.5 L : 490.2 x 740.3 x 233.5
Dimensions with Wall Mount (HxWxD mm) (w/o Base)	542.04 x 639 x 164.25	436.4 x 740.3 x 65.6
Pivot	90°	90°
Swivel (left/right)	45 / 45	45 / 45
Tilt (°)	-5~20	-5~20
Height Adjustment (mm)	135	150
VESA Wall Mounting 100 x 100mm	Yes	Yes
Gross Weight (kg)	12.1	15.4
Power		
Power Consumption	51.77W (Uniformity on)	43.98W (Uniformity off)
Power Consumption (Off mode)	<0.5W	<0.5W
Calibration Software		
Support OS	Palette Master Win 7 32 / 64bit or above , Mac OS X 10.6.8 or above	Palette Master Element Win 7 32 / 64bit or above , Mac OS X 10.6.8 or above
Support Calibrator	X-Rite i1 Display Pro / i1 Pro / i1 Pro 2	X-Rite i1 Display Pro / i1 Pro / i1 Pro 2 / Spyder 4 / Spyder 5

Certification and Warranty

The BenQ PV270 is Technicolor® Color Certified, meeting strict color standards for Hollywood, the broader media and entertainment industries. A five-year general warranty and six-month warranty against dead pixels are final assurances of quality.



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Accurate Color You Can Count On

Professional-Level Imaging with DCI-P3 and Rec.709 Color Gamut Support



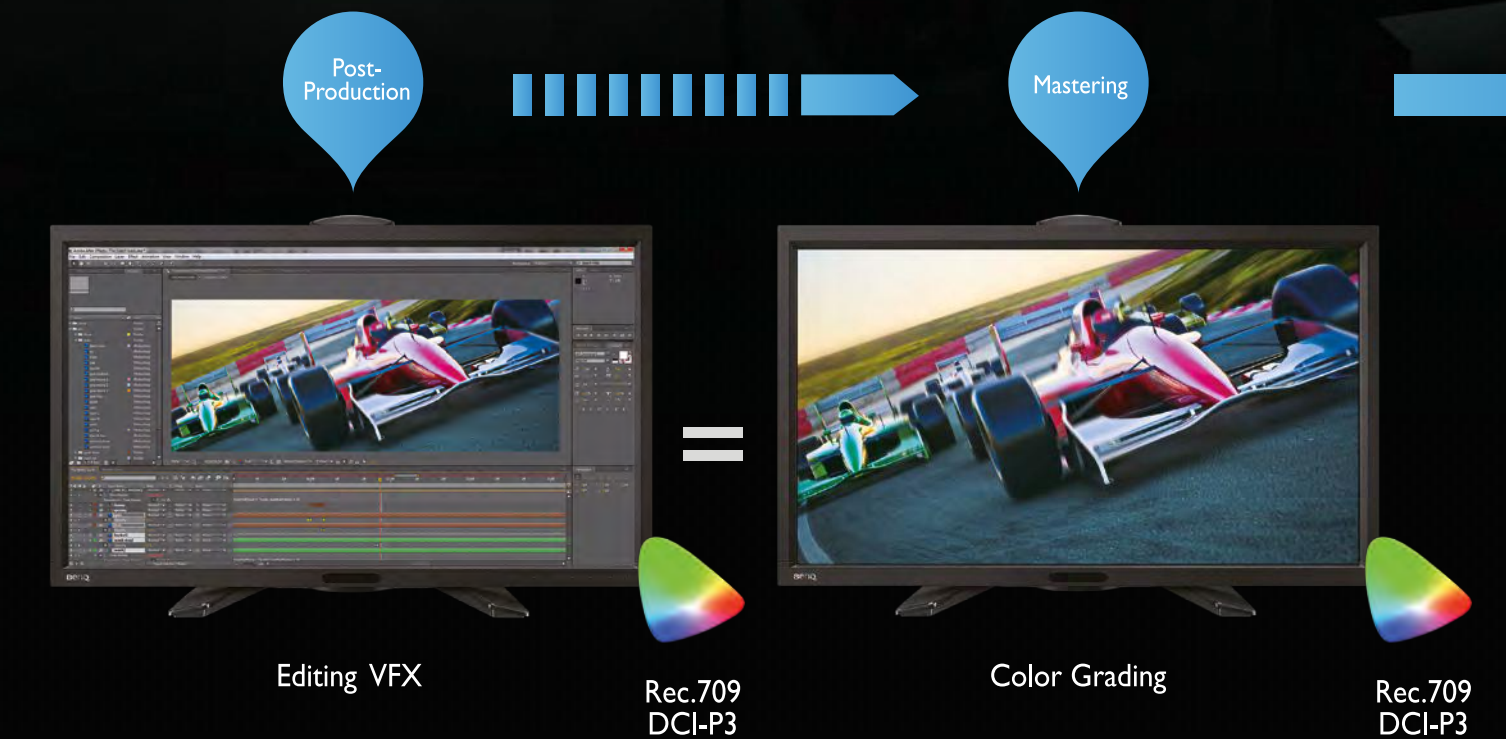
Video Post-Production Monitor PV270

Designed to meet the demanding requirements of video post-production and graphic art professionals, the BenQ PV270 provides comprehensive support for industry color standards including Rec. 709, DCI-P3 and Adobe RGB. Uncompromising color performance and powerful calibration tools make the PV270 ideal for video post-production workflows.



Reliable Color Throughout the Workflow

The BenQ PV270's comprehensive and rigorous approach to color management helps ensure color is reproduced consistently throughout the video post-production workflow. From the rough cut phase, through the addition of effects, color correction, and compositing, to the output stage, color is rendered with pinpoint accuracy so that results match intent perfectly.



Editing VFX

Rec.709
DCI-P3

Color Grading

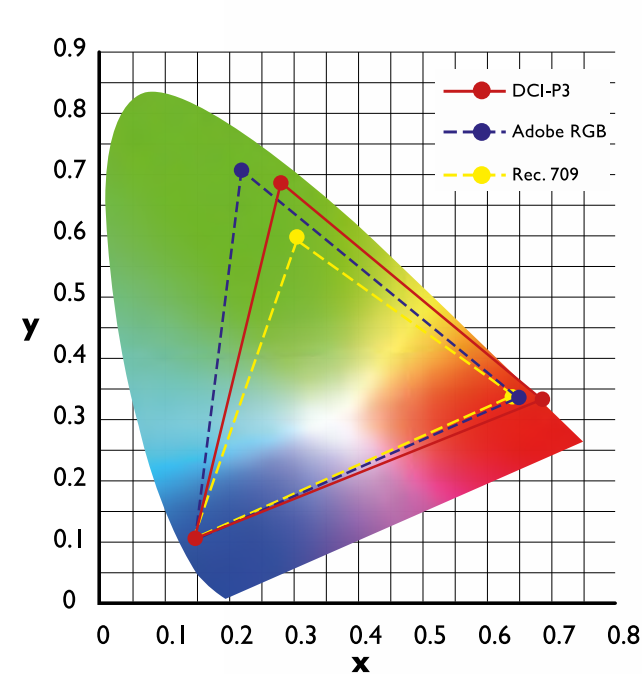
Rec.709
DCI-P3

Color Perfected

Because it's so important to the video post-production workflow, the PV270 goes the extra mile to ensure the fullest range of accurately and consistently rendered color.

Rec.709 and DCI-P3 Color Gamut

The PV270 provides 100% coverage of the Rec. 709 and 96% of the DCI-P3 standards, ensuring output for high-definition television and digital cinema matches the colors you have defined. The PV270 also provides 99% coverage of the Adobe RGB color space designed to encompass most of the colors producible for graphic art professionals.



2560x1440 (QHD) Resolution with 27" Wide-screen

The high pixel density of 2560x1440 (QHD) resolution delivers the crisp picture quality you expect for close reviews and detailed editing, and the spacious wide-screen view provides greater comfort and productivity.

Brightness Uniformity

Brightness uniformity is achieved via delicate process involving the utilization of high precision apparatus to meticulously fine-tune hundreds of sub-regions on the entire screen. It offers a more authentic and consistent viewing experience.



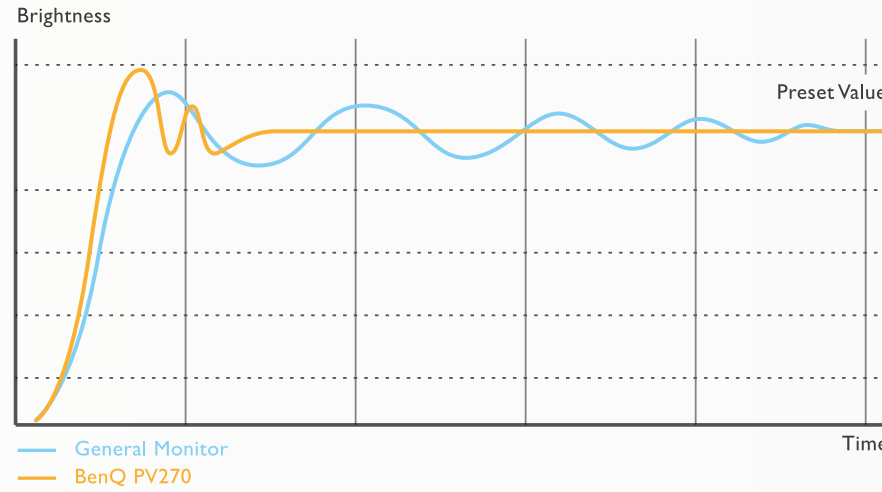
▲ Typical Monitor



▲ BenQ PV270

Backlight Sensor

Advanced luminance control not only ensures an ideal level of brightness that is quickly achieved after powering on, but also provides consistency both during a session of use and over the lifetime of the display.



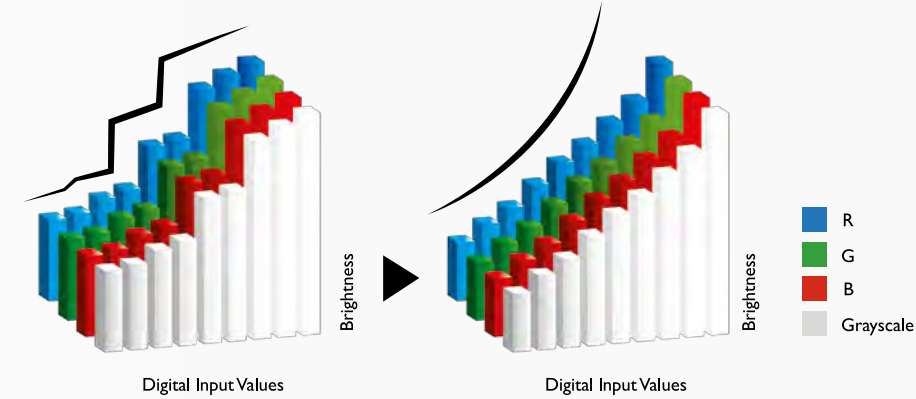
Accurate Color Calibration



Video post-production work calls for fine-grained color calibration, and with PV270's powerful calibration functions, users are assured a high-precision calibration result.

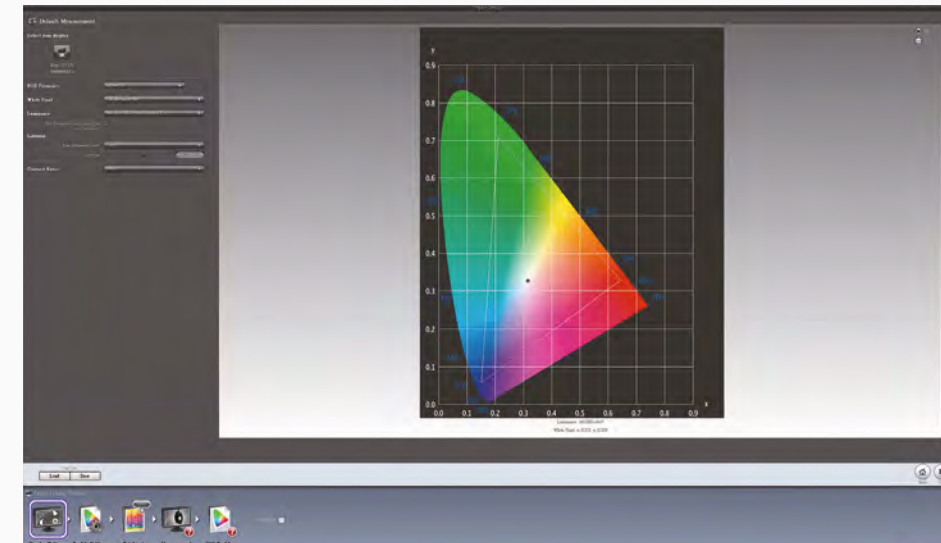
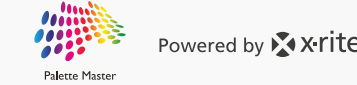
Hardware Calibration

Hardware calibration allows you to adjust the monitor's image processing chip without changing graphics card output data. Calibration keeps images consistent with originals without being affected by graphics settings. Two monitor preset modes allow calibration results to be saved directly into the monitor.



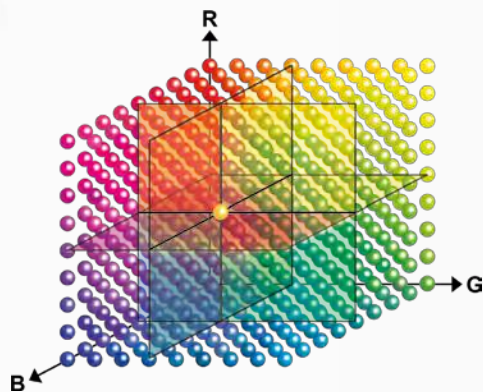
BenQ Calibration Software

Joint-developed with X-rite, the global leader in color science and technology, Palette Master is bundled software that can validate calibration settings. A user-friendly interface and a variety of adjustment parameters make it a snap to set a customized profile for any job.



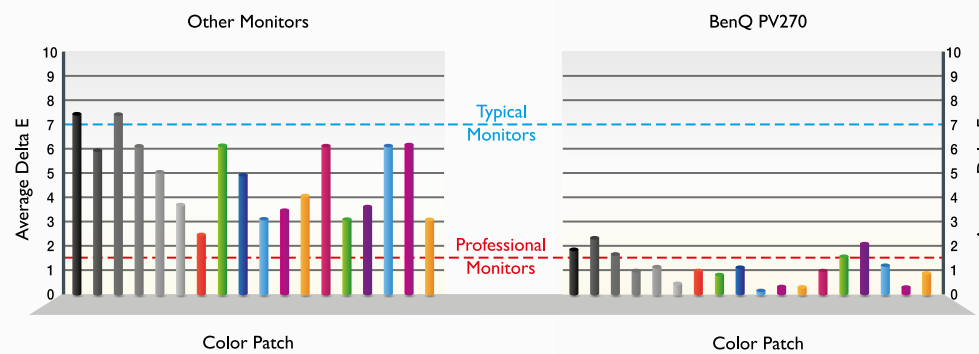
14-bit 3D Look Up Table

With the 14-bit 3D Look Up Table (LUT), monitors can display the most accurate color mixture. 14-bit 3D LUT improves RGB color blending accuracy, resulting in impeccable color and gray tone reproduction.



Delta E ≤ 1.5

BenQ PV270 monitor features Delta E ≤ 1.5 in Rec. 709 and Adobe RGB color spaces to ensure colors are displayed accurately in every stage of video editing workflow. Delta E ≤ 1.5 not only offers viewers the truest appearance of the original image, it also saves time and money by creating reliable colors and providing promising result when matching images the first time, every time.



Designed with Professionals in Mind

An excellent video post-production monitor isn't only about specifications. It calls for innovative features which make it easier to convey your intent and achieve your desired results.

GamutDuo

GamutDuo enables you to view video simultaneously in different color spaces side-by-side for added comparison convenience and reliability. Moreover, videos from two different sources can be handled this way for easy checking.

Color Display Clone

Color Display Clone eliminates the need for guesswork to achieve accurate color across multiple locations. A built-in color temperature sensor automatically adjusts the picture to ambient light conditions, ensuring color is rendered consistently to your targeted values. * Windows OS required, only works under Calibration mode



1080/24P Playback

Supports refresh rates of 48Hz and 72Hz to ensure 24p film content can be displayed at the correct cadence, without the need for pulldowns or speed changes which distort playback of the source video. * Only support with HDMI



Software Develop Kit (SDK)

An SDK and easy-to-use API are available for studios to develop customized calibration software that meets their highly specific in-house or project requirements.

Shading Hood and Ergonomics

A shading hood prevents work environment lights and reflections from affecting on-screen content. In addition, a swivel mount offers both land scene and portrait orientations for superior ergonomics.

