Philips
QHD LCD monitor

B Line
32 (31.5" / 80 cm diag.)
2560 x 1440 (QHD)

328B6QJEB

Crisp images, efficient performance

for maximum productivity

Get your best work done with the Philips 32" Quad HD monitor. Crystal-clear Quad HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the eyes.

Excellent performance
- Less eye fatigue with Flicker-free technology
- IPS technology for full colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- Crystalclear images with Quad HD 2560 x 1440 pixels
- 1.074 billion colors for smooth color gradations and detail
- SmartUniformity for consistent images

Designed for the way you work
- Built-in stereo speakers for multimedia
- MultiView enables simultaneous dual connection and view
- USB 3.0 Hub for convenient access and fast charging
- SmartErgoBase enables people-friendly ergonomic adjustments

Easy to experience
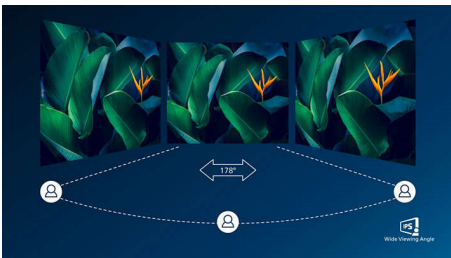- SmartConnect with HDMI, MHL, DisplayPort, DVI, and VGA

PHILIPS

Highlights

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

IPS technology

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

Flicker-free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.
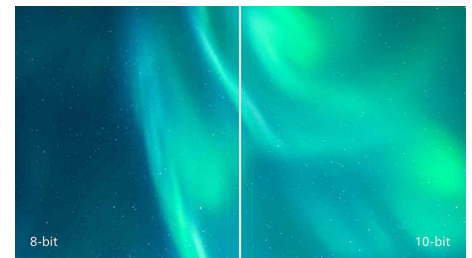
USB 3.0 Hub with FastCharge

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use the large capacity storage devices. Now you don't have to wait so long for devices to charge. New FastCharge enables quick charging to charge and go. USB 3.0 is also backward compatible with USB 2.0 devices.
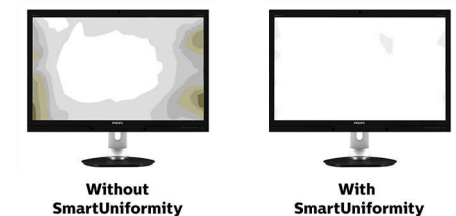
SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, DVI-D, DisplayPort, universal HDMI connector, MHL enabling you to enjoy high resolution uncompressed video and audio content. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

10-bit colors

The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

SmartUniformity

Fluctuations in brightness and color on LCD screens are a common phenomenon. Philips SmartUniformity mode delivers accurate images in terms of brightness; which is crucial for photography, design, and printing. With a color metric to assess color accuracy, this mode is calibrated to meet average luminance uniformity is greater than 95%. Selecting this mode will produce uniform and accurate images.

Specifications

Connectivity

- Signal Input: VGA (Analog), DisplayPort x 1, DVI-Dual Link (digital, HDCP), HDMI (2.0) - MHL x 1
- USB: USB 2.0 x 2, USB 3.0x2 (1 w/fast charging)*
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Headphone out, PC audio-in

Picture/Display

- Panel Size: 31.5 inch / 80.1 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.2727 x 0.2727 mm
- Optimum resolution: 2560 x 1440 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 110%*, sRGB 128%*
- Contrast ratio (typical): 1,200:1
- SmartContrast: 50,000,000 :1
- Response time (typical): 5 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 698.11 (H) x 392.69 (V)
- Scanning Frequency: 30 - 99 kHz (H) / 56 - 76 Hz (V)
- sRGB
- Delta E: <= 2
- Flicker-free
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93% ~ 105%

Convenience

- Built-in Speakers: 3 W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Menu, Power On/Off, Multiview, User
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese, Turkish, Japanese, Korean, Traditional Chinese, Dutch, Czech, Finnish, Greek, Hungarian, Polish, Swedish, Brazil Portuguese, Ukrainian
- Other convenience: VESA mount (100x100mm), Kensington lock
- Control software: SmartControl
- MultiView: 2x devices, PIP/PBP mode

Stand

- Height adjustment: 180 mm
- Pivot: 90 degree
- Swivel: -170/+170 degree
- Tilt: -5/20 degree

Power

- ECO mode: 34.9 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 62 W (typ.)
- Standby mode: < 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Packaging in mm (WxHxD): 970 x 526 x 224 mm
- Product without stand (mm): 742 x 438 x 63 mm
- Product with stand(max height): 742 x 657 x 270 mm

Weight

- Product with packaging (kg): 13.41 kg
- Product with stand (kg): 9.50 kg
- Product without stand (kg): 6.90 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: RoHS, WEEE, TCO Certified
- Post consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

- Regulatory Approvals: CE Mark, CECP, SEMKO, CU-EAC, TUV/GS, TUV Ergo, FCC Class B, cETLus, PSB, TUV/ISO9241-307, GS

Cabinet

- Finish: Texture
- Foot: Black
- Front bezel: Black
- Rear cover: Black

* Response time value equal to SmartResponse
* Fast charging complies with USB BC 1.2 standard
* The monitor may look different from feature images.
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931