Philips
QHD LCD monitor

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

328B6QTAA

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

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

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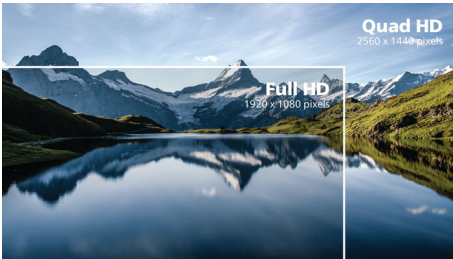- SmartConnect with HDMI, MHL, DisplayPort, DVI, and VGA
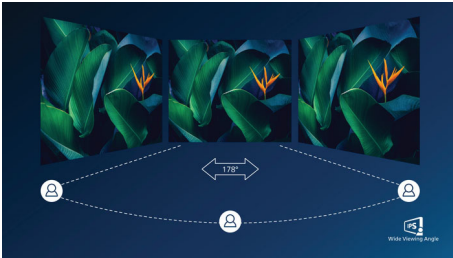
PHILIPS

Highlights

Crystalclear images

These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

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.
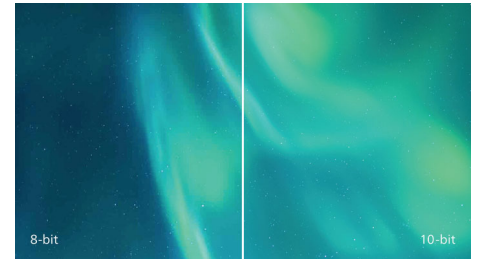
SmartImage

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,
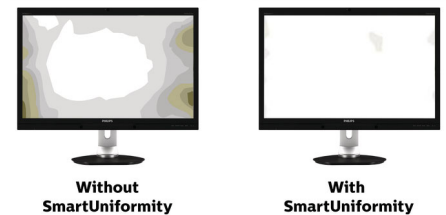
SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

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.

Quad HD | Wide Viewing Angle | Flicker-free | Smart Uniformity | SmartErgo Base | USB 3.0 | Built-in Speaker | Multiview | SmartConnect

Specifications

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

Connectivity
- Signal Input: VGA (Analog), DVI-Dual Link (digital, HDCP), DisplayPort x 1, 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): PC audio-in, Headphone out

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

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

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

Dimensions
- Product with stand(max height): 742 x 657 x 270 mm
- Product with stand(max height): 29.2 x 25.9 x 10.6 inch
- Product without stand (mm): 742 x 438 x 63 mm
- Product without stand in inch: 29.2 x 17.2 x 2.5 inch
- Packaging in mm (WxHxD): 970 x 526 x 224 mm
- Packaging in inch (WxHxD): 38.2 x 20.7 x 8.8 inch

Weight
- Product with stand (kg): 9.50 kg
- Product with stand (lb): 20.9 lb
- Product without stand (kg): 6.90 kg
- Product without stand (lb): 15.18 lb
- Product with packaging (kg): 13.41 kg
- Product with packaging (lb): 29.50 lb

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

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

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

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

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