Philips
4K UHD monitor with
HDR

B Line
28" (71.1 cm)
3840 x 2160 (4K UHD)

288B9RN

Crisp images, efficient performance

for maximum productivity

When ultra-clear picture quality matters, Philips 28'' 4K HDR monitor delivers excellent results. 4K UHD delivers ultimate clarity with HDR for the most life-like visuals. SmartErgo base and LowBlue mode features make work easy-on-the eyes.

Excellent performance
• UltraClear 4K UHD (3840x2160) resolution for precision
• High Dynamic Range (HDR) for more lifelike colorful visuals
• SmartImage presets for easy optimized image settings

Designed for the way you work
• Less eye fatigue with Flicker-free technology
• LowBlue Mode for easy on-the-eyes productivity
• EasyRead mode for a paper-like reading experience
• SmartErgoBase enables people-friendly ergonomic adjustments
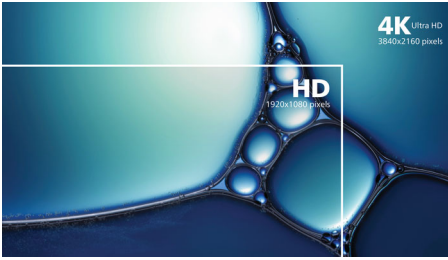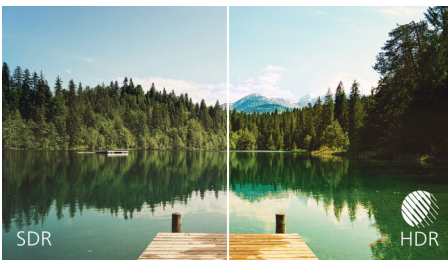• VESA mount allows for the perfect setup

PHILIPS

Highlights

UltraClear 4K UHD Resolution

These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

High Dynamic Range (HDR)

High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

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!

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.
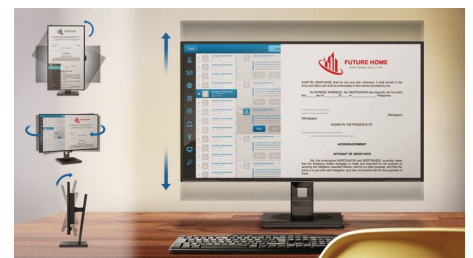
LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

EasyRead mode

EasyRead mode for a paper-like reading experience

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

4K Ultra HD | HDR | SmartImage | SmartResponse 1ms | LowBlue Mode | Flicker-free | EasyRead | SmartErgo Base | HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

Specifications

Picture/Display
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Panel Size: 28 inch / 71.1 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 620.93 (H) x 341.28 (V)
- Aspect ratio: 16:9
- Optimum resolution: 3840 x 2160 @ 60Hz
- Pixel Density: 157 PPI
- Response time (typical): 1 ms (Gray to Gray)*
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1,000:1
- SmartContrast: 50,000,000 :1
- Pixel pitch: 0.16 x 0.16 mm
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 84%*, sRGB 102%*, Adobe RGB 82%*
- HDR: HDR 10
- Scanning Frequency: 30 - 140 kHz (H) / 23 - 75 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2
- EasyRead
- LowBlue Mode
- sRGB

Connectivity
- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2
- HDCP: HDCP 2.2 (HDMI / DP)
- Sync Input: Separate Sync
- Audio (In/Out): Audio out

Convenience
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- 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 / 7

Stand
- Height adjustment: 150 mm

- Pivot: +/-90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power
- ECO mode: 21.1 W (typ.)
- On mode: 37.4 W (typ.)
- Standby mode: 0.3 W (typ)
- Off mode: Zero watts with AC switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 659 x 579 x 224 mm
- Product without stand (mm): 659 x 396 x 50 mm
- Packaging in mm (WxHxD): 782 x 497 x 224 mm

Weight
- Product with stand (kg): 7.16 kg
- Product without stand (kg): 4.76 kg
- Product with packaging (kg): 10.35 kg

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: 70,000 hrs (excluded backlight) hour(s)

Sustainability
- Environmental and energy: 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, CECP, CCC, CEL, MEPS, RCM

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

* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE1976
* The monitor may look different from feature images.