

PHILIPS

DUAL Mode monitor
with USB-C

Curved Business monitor

5000 series

34" (86.21 cm)

5120x2160 (WUHD)

2560x1080 (WFHD)

34B2U5900C



Redefining workflow productivity

Whatever your day demands, this 34" VA dual resolution monitor adapts effortlessly. Its Dual Mode lets you switch between WUHD 5120x2160@120Hz for sharp detail, and WFHD 2560*1080@240Hz for fast, responsive performance.

Superb Picture Quality

- DisplayHDR 400 for more lifelike and outstanding visuals

Designed for the way you work

- Dual Mode: The flexibility for work and play
- MultiView enables simultaneous dual connection and view
- D-Mode: Optimized for subtle grayscale perception
- Eyesafe certified blue light protection and color accuracy
- SmartKVM: for easily switching between sources.
- SoftBlue Technology: for comfortable viewing

Single cable USB-C connection

- 140W USB-C docking to power your entire setup

Designed for sustainability

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 80% energy costs

Curved Business monitor

DUAL Mode monitor with USB-C

34B2U5900C/69

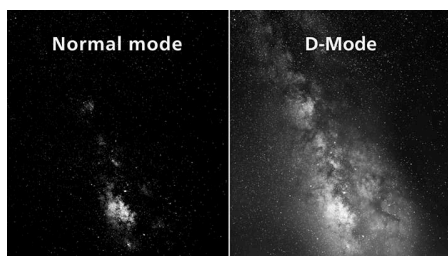
Highlights

DisplayHDR 400



VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and minimum 400 nits brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

D-Mode



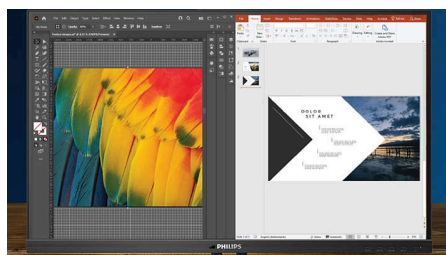
Reveal every hidden detail in the dark-toned areas of your display. D-Mode enhances grayscale detail to make subtle tonal differences easier to see. Based on the grayscale perception model defined by the DICOM Part 14 GSDF standard, it improves the visibility of details that standard display settings may miss. The result is clearer differentiation between subtle shades and improved detail visibility in grayscale content such as technical illustrations, scans, and other high-detail imagery.

Dual Mode



Unlock peak performance with a monitor built for every moment. Switch between ultra-sharp WUHD (5120x2160) at 120Hz for detailed creative work, multitasking, and immersive visuals, or WFHD (2560*1080) at 240Hz for smoother, lower-latency gameplay. Whether you're deep in design or in the heat of a match, this dual-mode display delivers the ideal balance of clarity and speed, tailored to how you work and play.

MultiView technology



With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

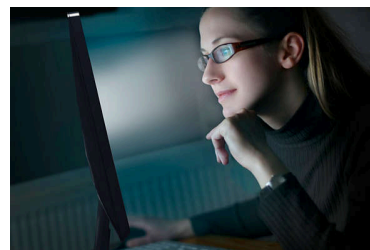
SmartKVM



Unlike traditional built-in KVM monitor button, the smart KVM allows for switching between sources with the click of a button on your

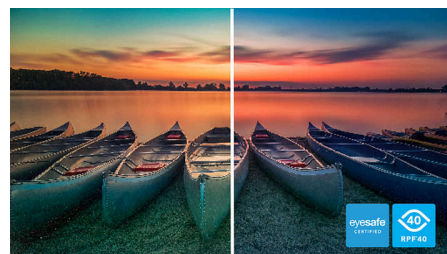
keyboard. When all devices are properly connected, users can easily switch between sources by clicking the "Ctrl" key three times.

SoftBlue Technology with Low Blue Light Panel



SoftBlue technology offers increased visual comfort and protection against adverse health effects caused by prolonged exposure to blue light. With the low blue-light panel, the ratio of display emission light in the range of 415-455 nm to 400-500nm is reduced to less than 50%. As a result, the SoftBlue technology provides optimal visual comfort, minimizes eye strain, and supports sustained focus. Not to mention, SoftBlue LED technology is tested and TÜV Rheinland Low Blue Light (Hardware Solution) certified for its effectiveness in reducing blue light emissions.

eyesafe® CERTIFIED 2.0 (RPF 40)



The Philips display meets the eyesafe® CERTIFIED 2.0 standard to truly protect you from the long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees color integrity.



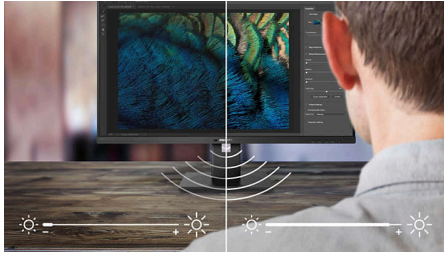
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Highlights

PowerSensor



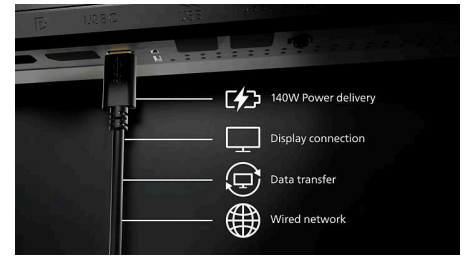
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

LightSensor



LightSensor uses a smart sensor to adjust the picture brightness depending on the room light conditions for the perfect picture with minimal power usage.

USB-C docking with 140W power



Power a single-cable setup from this monitor to your PC or notebook with a USB 3.1 Type-C docking connection. One connection consolidates data transfer, high-resolution video output from PC to monitor, wired networking without the need for a LAN port on your notebook, and up to 140W of high-power delivery for fast charging. The result is a flexible, all-in-one docking experience ideal for any modern environment.

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DUAL Mode monitor with USB-C

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Specifications

Picture/Display

Panel Size: 34inch/86.21cm

Aspect ratio: 21:9

LCD panel type: VA LCD

Backlight type: W-LED system

Pixel pitch: 0.15534 (W)x0.15405(H) mm

Brightness: 350 (SDR)cd/m², 450 (HDR) cd/m²

Display colors: 16.7 M (8 bit)

Color gamut (typical): NTSC: 111%, sRGB: 122% ,
DCI-P3: 95% , Adobe RGB: 83% *

Contrast ratio (typical): 3000:1

SmartContrast: 80,000,000:1

Response time (typical): 2 ms (Gray to Gray)*

Viewing angle: 178° (H) / 178° (V), @ C/R > 10

Picture enhancement: SmartImage

Maximum resolution: 5120x2160@120Hz

(HDMI/DP/USB-C)

Effective viewing area: 795.34(H) x 332.75(V)mm
1500R curvature*

Scanning Frequency: WUHD mode: 30 - 270 kHz

(H) / 48 - 120 Hz (V) WFHD mode: 30 - 270 kHz

(H) / 48 - 240 Hz (V)

sRGB

Delta E: < 1 (for sRGB)

SoftBlue

Flicker-free

Pixel Density: 164 PPI

Display Screen Coating: Anti-Glare, 3H, Haze
25%

SmartUniformity: 93 ~ 105%

EasyRead

Adaptive sync (VRR)

HDR: VESA HDR 400

Calman Ready

EyeSafe

Dual mode: WUHD 5120x2160@120Hz / WFHD
2560x1080@240Hz

DICOM (D-mode)

Connectivity

Signal Input: HDMI 2.1 x 2, DisplayPort 1.4 x 1,
USB-C x 1 (upstream, DP Alt mode, data, PD)

Sync Input: Separate Sync, Sync on Green

Audio (In/Out): Audio out

RJ45: Ethernet LAN (USB 2.0: 10M/100M; USB
3.0: 1000M), PXE/MAPT/WOL*

HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C);

HDCP 2.3 (HDMI / DisplayPort / USB-C)

HBR3: HBR 3

USB Hub: USB3.2, Gen2, 10G upstream: USB-

C1(Full)/USB-C2 downstream: USB-A x3 (with x1
fast charge B.C 1.2), USB-C3(data), USB-C4(15W,
data)

Power Delivery

Max power delivery: Up to 140W (5V/3A, 7V/3A,
9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A,
28V/5A)

Version: USB PD version 3.1

Convenience

Built-in Speakers: 5 W x 2

Plug & Play Compatibility: DDC/CI, Mac OS,

sRGB, Windows 11 / 10

User convenience: SmartImage, Input, User,

Menu, Power On/Off

OSD Languages: Brazil Portuguese, Czech, Dutch,
English, French, Finnish, German, Greek,
Hungarian, Italian, Japanese, Korean,
Portuguese, Polish, Russian, Simplified Chinese,
Spanish, Swedish, Traditional Chinese, Turkish,
Ukrainian

Other convenience: Kensington lock, Earphone
hook, VESA mount (100x100mm)

Control software: SmartControl

MultiView: 2x devices, PIP/PBP mode

SmartKVM: Yes (USB-C1/USB-C2)

Stand

Height adjustment: 180 mm

Swivel: -/+180 degree

Tilt: -5/30 degree

Power

ECO mode: 25.0 W (typ.)

Power supply: Built-in, 100-240VAC, 50-60Hz

Off mode: Zero watts with AC switch

On mode: 37.35 W (typ.) (EnergyStar test
method)

Standby mode: 0.3 W (typ.)

Power LED indicator: Operation - White, Standby
mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 980 x 525 x 188 mm

Product without stand (mm): 807 x 369 x
112 mm

Product with stand(max height): 807 x 575 x
281 mm

Weight

Product with packaging (kg): 15.81 kg

Product with stand (kg): 10.68 kg

Product without stand (kg): 7.89 kg

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-
operation: +40,000ft (12,192m)

Temperature range (operation): 0°C to 40 °C

Relative humidity: 20%-80 %

Temperature range (storage): -20°C to 60 °C

MTBF (demonstrated): 70,000 hrs (excluded
backlight)

Sustainability

Environmental and energy: PowerSensor,

LightSensor, Energy Star, EPEAT*, RoHS

Post consumer recycled plastic: 85%+OBP 5%

Recyclable packaging material: 100 %

Specific Substances: Mercury free, PVC / BFR free
housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, TUV/GS,

TUV Ergo, TCO Certified, TCO Certified Edge,

EAC, EAEU RoHS, KC, CEL, CCC, CEC, KCC, UKCA,

EMF, FCC, ICES-003, TÜV Rheinland Low Blue

Light (Hardware Solution), eyesafe® CERTIFIED
2.0

Cabinet

Finish: Texture

Foot: Silver

Front bezel: Charcoal

Rear cover: Charcoal

* Radius of the arc of the display curvature in mm

* Response time value equal to SmartResponse

* NTSC Area based on CIE1976, sRGB Area based on CIE1931,
DCI-P3 Coverage based on CIE 1976 , Adobe RGB Coverage
based on CIE 1931

* For Video transmission via USB-C, your Notebook/device
must support USB-C DP Alt mode

* Activities such as screen sharing, on-line streaming video
and audio over the Internet can impact your network
performance. Your hardware, network bandwidth and its
performance will determine overall audio and video quality.

* For USB-C power and charging function, your
Notebook/device must support USB-C standard Power
Delivery specifications. Please check with your Notebook
user manual or manufacturer for more details.

* If your Ethernet connection seems slow, please enter OSD
menu and select USB 3.0 or higher version which can
support the LAN speed to 1G.

* The USB-C power delivery of this display is up to 100 W (96
W in typical), the maximum power delivery will depend on
your device.

* RJ45 supports PXE (Preboot eXecution Environment), MAC
Address Pass-Through (MAPT) , and Wake on LAN (WOL) on
compatible systems. Support may vary depending on
system configuration.

* EPEAT rating is valid only where Philips registers the
product. Please visit <https://www.epeat.net/> for
registration status in your country.

* The monitor may look different from feature images.

* The products and accessories listed on this leaflet may differ
by country and region.

