Philips Monitor
LCD monitor with
SmoothTouch

B Line
17" (43.2 cm)
1280 x 1024 (SXGA)

172B9TN

Brilliant interactive display with SmoothTouch

A sturdy water- and dust-resistant touch-screen monitor for flexible use anywhere. Offering simple and intuitive use across applications, greatly boosts productivity.

Brilliant interactive display

- SmoothTouch display for natural, fluid touch response
- EasyRead mode for a paper-like reading experience
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- SmartContrast for rich black details
- Stylus for fluid and accurate performance with more control
- Monitor front surface meets IP65 for water and dust resistance

Easy to experience

- HDMI ensures universal digital connectivity
- DisplayPort connection for maximum visuals
- VESA mount allows for flexibility
- USB 3.1 high-speed data transfer

PHILIPS

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172B9TN/01

Highlights

SmoothTouch

This Philips display uses Projected capacitive 10-point touch technology for fluid response. You can fully utilise the new capabilities of touch-based applications and bring your older applications to life. Touch-type with 10 fingers or play exciting interactive games with your friends. Collaborate with colleagues interactively at work or school environment and increase your productivity and efficiency.

Water- and dust-resistant

For less-than-perfect environments, you need a monitor that's designed to hold up to the splashes of water and dust that happen in the everyday world. Ingress Protection (IP) ratings defined in international standard IEC/EN 60529, are used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies and moisture. This Philips display meets the international IP rating for water and dust resistance. It will hold up to the water splashes and dust that happen in the everyday world.

SmartContrast

SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

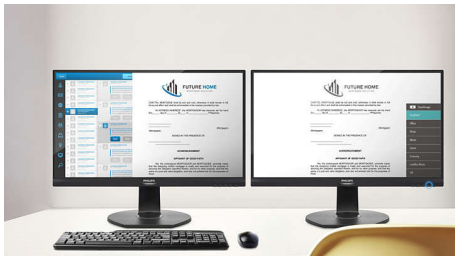
LowBlue Mode

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, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

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.

EasyRead mode



EasyRead mode for a paper-like reading experience

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality digital video and audio to be transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

SmoothTouch LowBlue Mode Flicker-free EasyRead VESA Mount SmartContrast

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Specifications

Connectivity
- Signal Input: VGA (Analogue), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- USB: USB 3.1 x 2 (1 w/fast charging)*
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Picture/Display
- Panel Size: 17 inch/43.2 cm
- Aspect ratio: 5:4
- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Pixel pitch: 0.264 x 0.264 mm
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Brightness: 250 cd/m²
- Display colours: 16.7 M
- Colour gamut (typical): NTSC 87%*, sRGB 103%*
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Response time (typical): 1 ms (Grey to Grey)*
- Viewing angle: 170° (H)/160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 337.9 (H) x 270.3 (V)
- Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 96 PPI
- LowBlue Mode
- EasyRead

Touch
- Ingress protection: IP65 - front only
- Operating system: Windows 10 / 8.1 / 8 / 7; Android 7.1 / 7.0 / 6.0 / 5.0 / 4.4; certain Linux versions*
- Sealability: Touchscreen sealed to bezel; Touchscreen sealed to LCD
- Touch active area: 337.9 mm (H) x 270.3 mm (V)
- Touch glass hardness: 7 H
- Touch interface: USB
- Touch method: Stylus, Finger, Glove*
- Touchpoints: 10 points
- Touch technology: Projected capacitive
- Palm rejection area: >= 30 x 30 mm
- Touch glass coating: Glare

Convenience
- Built-in Speakers: 2 W x 2
- Plug and Play Compatibility: DDC/CI, sRGB, Windows 10 / 8.1 / 8 / 7
- 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 (100 x 100 mm)
- Control software: SmartControl

Power
- ECO mode: 7.7 W (typ.)
- Power supply: External, 100–240 VAC, 50–60 Hz
- Off mode: 0.3 W (typ.)
- On mode: 9.14 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Energy Label Class: D

Dimensions
- Packaging in mm (W x H x D): 445 x 420 x 159 mm
- Product without stand (mm): 376 x 322 x 45 mm

Weight
- Product with packaging (kg): 4.67 kg
- Product without stand (kg): 3.26 kg

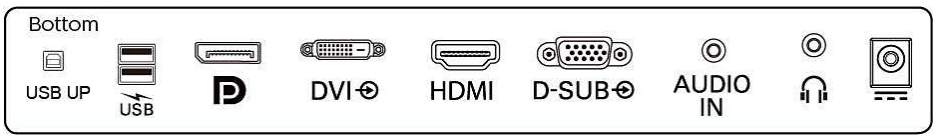
Operating conditions
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0°C to 40°C °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability
- Environmental and energy: EnergyStar 8.0, EPEAT*, TCO Certified, RoHS, WEEE
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CB, CE Mark, FCC Class B, SEMKO, UKRAINIAN, ICES-003, TUV/GS, TUV Ergo, CU-EAC, EAEU RoHS

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

What's in the box?
- Cables: HDMI cable, USB-A to B cable, Power cable
- Monitor
- User Documentation



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* Response time value equal to SmartResponse
* Glove material and thickness: Nitrile (0.15 mm), Cotton (0.31 mm), CPE (0.03 mm), PVC (0.12 mm)
* Please refer to "SmoothTouch" in the user manual for more details on operating system support when using the touch function.
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* Fast charging complies with USB BC 1.2 standard
* 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.