



Philips  
LCD monitor

### E Line

22 (21.5" / 54.6 cm diag.)  
Full HD (1920 x 1080)

221E9



## Vivid and crisp details, design beyond boundaries

The stylish E line monitor delivers a viewing experience beyond boundaries. A wide-view monitor allows you to enjoy the same crisp and vivid picture quality from any front angle view. Flicker-free and LowBlue Mode promote eye well-being.

#### **Vivid pictures every time**

- IPS LED wide view technology for image and color accuracy
- 16:9 Full HD display for crisp detailed images
- Effortlessly smooth gameplay with AMD FreeSync™ technology

#### **Features designed for you**

- Narrow border display for a seamless appearance
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- HDMI ensures universal digital connectivity

#### **Greener everyday**

- Eco-friendly materials meet major international standards
- Low power consumption saves energy bills

# PHILIPS

LCD monitor  
E Line 22 (21.5" / 54.6 cm diag.), Full HD (1920 x 1080)

221E9/75

# Highlights

## IPS technology



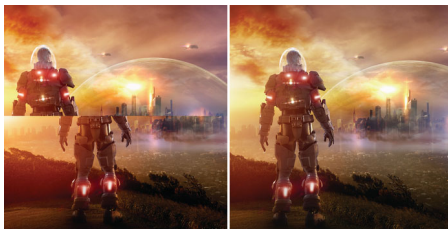
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and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

## 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

## Ultra-smooth gaming



AMD FreeSync™ OFF (simulation)      AMD FreeSync™ ON

Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new

Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

## UltraNarrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

## 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.

## HDMI Ready



HDMI-ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all 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).

## Eco-friendly materials

"Philips is committed to use sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In some selected models we utilize upto 65% post consumer recycled plastics. Strict adherence to RoHS standards ensure substantial reduction or elimination of toxic substances like Lead, for example. Mercury content in monitors with CCFL backlight has been reduced significantly, while eliminated in monitors with LED backlight completely.



# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 21.5 inch / 54.6 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 476.06 (H) x 267.79 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 75 Hz\*
- Pixel Density: 102 PPI
- Response time (typical): 5 ms (Gray to Gray)\*
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.248 x 0.248 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Scanning Frequency: 30 - 85 kHz (H) / 48 - 76 Hz (V)
- LowBlue Mode
- FreeSync
- sRGB

## Connectivity

- Signal Input: VGA (Analog), HDMI x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

## Convenience

- User convenience: Power On/Off, Menu, Brightness, Input, SmartImage Game
- 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 (75x75mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Tilt: -5/20 degree

## Power

- On mode: 13.03 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: < 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand (mm): 487 x 385 x 176 mm
- Product without stand (mm): 487 x 293 x 36 mm
- Packaging in mm (WxHxD): 565 x 444 x 131 mm

## Weight

- Product with stand (kg): 2.52 kg
- Product without stand (kg): 2.05 kg
- Product with packaging (kg): 3.99 kg

## Operating conditions

- Temperature range (operation): 0 to 40 °C
- Temperature range (storage): -20 to 60 °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 50,000 hrs (excluding backlight) hour(s)

## Sustainability

- Environmental and energy: EnergyStar 7.0, RoHS, Lead-free, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: CE Mark, MEPS, RCM

## Cabinet

- Color: Black / Gunmetal
- Finish: Glossy



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EAN: 87 12581 75340 5

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\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

\* Response time value equal to SmartResponse

\* 2015 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, FreeSync and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other names are for informational purposes only and may be trademarks of their respective owners.

\* The maximum resolution works for HDMI input only.

\* The monitor may look different from feature images.