

Philips
Full HD LCD monitor

V Line 22 (21.5" / 54.6 cm diag.) 1920 × 1080 (Full HD)

223V7QJAB

# Vivid, crisp images, from edge-to-edge

A perfect all around display with stunning images that stretch from edge-to edge, made easy on the eyes, in a compact slim design.

### Perfectly designed for your space

· VESA mount allows for flexibility

### Easy on the eyes

- EasyRead mode for a paper-like reading experience
- · Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity

### Experience true multimedia

- Built-in speakers for audio without desktop clutter
- HDMI-ready for Full HD entertainment
- DisplayPort connection for maximum visuals

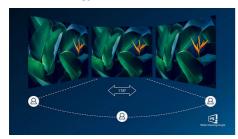
### Vivid pictures every time

- IPS LED wide view technology for image and color accuracy
- 16:9 Full HD display for crisp detailed images
- SmartImage presets for easy optimized image settings
- · Narrow border display for a seamless appearance



## 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.

### **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.

### **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

### **Built-in speakers**

A pair of stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



















## Specifications

### Connectivity

- Signal Input: VGA (Analog), DisplayPort 1.2, HDMI
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

### Picture/Display

- Panel Size: 21.5 inch / 54.6 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.248 x 0.248 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 10,000,000:1
- Response time (typical): 5 ms (GtG)\*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Effective viewing area: 476.06 (H) x 267.79 (V)
- Scanning Frequency: 30 -83 kHz (H) / 56 -76 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 102 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%

- Built-in Speakers: 2W x 2
- sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: Power On/Off, Menu/OK, Volume/Up, Input/Down, SmartImage/Back
- · OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian
- · Other convenience: Kensington lock, VESA mount (100×100mm)

### **Stand**

• Tilt: -5/20 degree

### **Power**

- Power supply: Built-in, 100-240VAC, 50-60Hz
   Off mode: 0.5~W~(typ.)
- On mode: 11.31W (typ.) (EnergyStar test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation White, Standby mode- White (blinking)

### **Dimensions**

- Product with stand (mm):  $490 \times 368 \times 195$  mm
- Packaging in mm (WxHxD): 575 x 440 x 113 mm
- Product without stand (mm): 490 x 296 x 45 mm

### Weight

- · Product with packaging (kg): 4.41 kg
- Product with stand (kg): 2.80 kg
- Product without stand (kg): 2.45 kg

### **Operating conditions**

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

### **Sustainability**

- Environmental and energy: RoHS, Mercury Free, TCO Certified, WEEE, EnergyStar 8.0
- Recyclable packaging material: 100 %

### Compliance and standards

• Regulatory Approvals: SEMKO, TUV/ISO9241-307, CE Mark, ICES-003, RCM, MEPS, PSE, VCCI, TUV Cert. - blue light cut-off

### **Cabinet**

- Color: Black
- · Finish: Textured



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\* Response time value equal to SmartResponse