Elegant HDMI display for Full HD entertainment

This elegant, 224E2 HDMI Full HD Multimedia display with stylish SmartTouch controls is ready to immerse you in the Gaming and Movie world

Great picture quality

- Full HD LCD display, 1920x1080p resolution
- 16:9 display for best widescreen gaming and video
- SmartContrast 500,000:1 for incredible rich black details
- SmartImage Lite for an enhanced LCD viewing experience

Design that complements any interior

- Sleek, elegant design complements your home decor
- Glossy finish to enhance your decor
- Stylish SmartTouch controls

Experience true multimedia

- HDMI-ready for top quality, multimedia experience
- Built in stereo audio for multimedia experience

Great convenience

- Easy picture format control switching in wide and 4:3 format

PHILIPS

sense **and** simplicity

Highlights

Sleek, elegant design
A sleek, elegant design look that complements home furnishings in any room.

Full HD 1920x1080p LCD display
This display has a resolution that is referred to as Full HD. With state-of-the-art LCD screen technology it has the full high-definition widescreen resolution of 1920 x 1080p. It allows the best possible picture quality from any format of HD input signal. It produces brilliant flicker-free pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

HDMI Ready

HDMI ready

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

Built-in stereo audio
A pair of high quality 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.

16:9 widescreen aspect ratio
An aspect ratio is an expression of a video image's width compared to its height. The 16:9 widescreen aspect ratio is standard for universal to high-definition television and European digital television. A native 16:9 aspect ratio means outstanding game and video display without bars at top and bottom of the picture and without the quality loss than comes from scaling, altering an image to fit on a different screen size.

SmartImage Lite
SmartImage Lite is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

SmartContrast ratio 500000:1

With SmartContrast   Without SmartContrast

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

SmartTouch controls
SmartTouch controls are intelligent, touch sensitive icons that replace protruding buttons. Responding to your lightest touch, SmartTouch controls, for example, power up your monitor or brighten and sharpen your display with SmartImage Lite. When activated, SmartTouch icons glow to indicate that your commands have been implemented.

Easy picture format control

Widescreen format   4:3 format

Philips easy picture format control on OSD is to switch from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

Full HD 1080p   HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE   500,000:1 SmartContrast   SmartImage Lite   SmartTouch   Built-in Audio   4:3 ⇌ wide

Specifications

Picture/Display

- LCD panel type: TFT-LCD
- Panel Size: 21.5 inch / 54.6 cm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 5 ms
- Brightness: 250 cd/m²
- SmartContrast: 500,000:1
- Pixel pitch: 0.248 x 0.248 mm
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage Lite
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB

Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP), HDMI
- Sync Input: Separate Sync, Sync on Green
- Audio In/Out: Stereo Audio

Convenience

- Built-in Audio: 1.5Wx2
- User convenience: SmartImage lite, SmartControl lite, Menu, Input, Power On/Off, Volume
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese, Turkish
- Other convenience: VESA mount (100x100mm), Kensington lock
- Plug & Play Compatibility: DDC/CI, Windows 7/ Vista/XP, Mac OS X

Stand

- Tilt: -5/+20 degree degree

Power

- On mode: <26W (EnergyStar 5.0 test method)
- Standby mode: <0.5W
- Off mode: < 0.5 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: 100-240VAC, 50/60Hz, Built-in

Dimensions

- Product with stand (mm): 505 x 484 x 249 mm
- Product without stand (mm): 505 x 351 x 59 mm
- Packaging in mm (WxHxD): 565 x 465 x 155 mm

Weight

- Product with stand (kg): 4.15 kg
- Product without stand (kg): 3.65 kg
- Product with packaging (kg): 6.00 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 %
- MTBF: 50,000 hour(s)

Sustainability

- Environmental and energy: EnergyStar 5.0, EPEAT Silver, RoHS
- Recyclable packaging material: 100 %

Compliance and standards

- Regulatory Approvals: CE Mark, FCC, Class B, CCC, GOST, BSMI, UL/cUL

Cabinet

- Color: Black/Black
- Finish: Glossy