LCD monitor

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

221B8LJEB/00

Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 22" Full HD monitor. Crisp and vivid Full HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the eyes.

Benefits

Brilliant performance
• SmartImage presets for easy optimized image settings
• 16:9 Full HD display for crisp detailed images

Designed for comfortable productivity
• LowBlue Mode for easy on-the-eyes productivity
• Less eye fatigue with Flicker-free technology
• SmartErgoBase enables people-friendly ergonomic adjustments
• EasyRead mode for a paper-like reading experience

Features for the way you work
• Built-in stereo speakers for multimedia
• HDMI ensures universal digital connectivity
• SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design
• Designed to meet environmental standards
• Zero power consumption with 0 watt hard switch

PHILIPS

Features

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!

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.

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.

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.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

EasyRead mode

Built-in stereo speakers

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.

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).

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

Designed for sustainability

Designed for sustainability, and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR, EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: https://www.energystar.gov/ EPEAT: https://www.epeat.net/ TCO Certified: https://tcocertified.com/

Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further

Specifications

Picture/Display

Adaptive sync	Yes
LCD panel type	TFT-LCD (TN)
Backlight type	W-LED system
Panel Size	21.5 inch / 54.6 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	476.64 (H) x 268.11 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60Hz
Pixel Density	102 PPI
Response time (typical)	1 ms (Gray to Gray)*
Brightness	250 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	50,000,000:1
Pixel pitch	0.248 x 0.248 mm
Viewing angle	170° (H) / 160° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage
Display colors	16.7 M
Color gamut (typical)	NTSC 72% (CIE1931)
Scanning Frequency	30 - 83 kHz (H) / 50 - 76 Hz (V)
sRGB	Yes
EasyRead	Yes
LowBlue Mode	Yes

Connectivity

Signal Input	VGA (Analog)
	DVI-D (digital, HDCP)
	DisplayPort 1.2
	HDMI 1.4
USB	USB 2.0 x 4
Sync Input	Separate Sync
	Sync on Green
Audio (In/Out)	PC audio-in
	Headphone out

Convenience

Built-in Speakers	2 W x 2
User convenience	SmartImage
	Input
	Brightness
	Menu
	Power On/Off
Control software	SmartControl
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 (100x100mm)
Plug & Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 10 / 8.1 / 8 / 7

Stand

Height adjustment	130 mm
Pivot	-/+ 90 degree
Swivel	-175/+175 degree
Tilt	-5/30 degree

Power

ECO mode	8.8 W (typ.)
Energy Label Class	E
On mode	13.27 W (typ.) (EnergySta test method)
Standby mode	< 0.5 W (typ.)
Off mode	Zero watts with Zero switch
Power LED indicator	Operation - White
	Standby mode- White (blinking)
Power supply	Built-in
	100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	504 x 477 x 206 mm
Product without stand (mm)	504 x 304 x 47 mm
Packaging in mm (WxHxD)	565 x 490 x 184 mm

Weight

Product with stand (kg)	4.55 kg
Product without stand (kg)	2.65 kg
Product with packaging (kg)	6.81 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 %
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
MTBF (demonstrated)	70,000 hrs (excluded backlight)

Sustainability

Environmental and energy	EnergyStar 8.0
	EPEAT*
	TCO Certified Edge
	RoHS
	WEEE
Recyclable packaging material	100 %
Post consumer recycled plastic	85%
Specific Substances	PVC / BFR free housing
	Mercury free

Compliance and standards

Regulatory Approvals
CE Mark
FCC Class B
SEMKO
cETLus
CU-EAC
PSB
EPA
UKRAINIAN
TUV Ergo
TUV/GS
RCM
TUV/ISO9241-307
CB

Cabinet

Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

What's in the box?

Monitor with stand	Yes
Cables	D-Sub cable, HDMI cable, Audio cable, Power cable
User Documentation	Yes

* Response time value equal to SmartResponse
* 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.