



Philips  
LCD widescreen monitor

23"  
WUXGA

230W5BS



## the smart way to boost productivity

Productivity pays big dividends: That's why smart organizations rely on the Philips 230W5 with SmartManage - remote, LAN-based monitor management - for tasks that demand a big, wide screen and multiple function display to get the job done.

### Outstanding front of screen performance

- WUXGA, wide format 1920x1200 resolution for sharper display
- Fast response time for great display of moving images
- Widest viewing angle up to 176 degrees
- Dual input accepts both analog VGA and digital DVI signals

### Maximum comfort for maximum productivity

- SmartManage compatibility enables LAN-based asset management
- Big, widescreen ideal for viewing two A4 pages side-by-side
- Display more images and content without scrolling
- Easy to access connections on a front to improve efficiency
- Screen tilt and swivel adjustment for an ideal viewing angle

### Multi-function for ultimate convenience

- A solid-state 6-in-1 card reader for easy media access
- Built-in high-speed USB 2.0 solution for easy connections

**PHILIPS**  
sense and simplicity

## Specifications

### Picture/Display

- **LCD panel type:** 1920 x 1200 pixels, Anti-glare polarizer, RGB vertical stripe
- **Panel Size:** 23" / 58.4 cm
- **Effective viewing area:** 495.4 x 309.6 mm
- **Pixel pitch:** 0.258 x 0.258 mm
- **Brightness:** 250 cd/m<sup>2</sup>
- **Contrast ratio (typical):** 500:1
- **Display colors:** 16 M
- **Viewing angle: @ C/R > 10**
- **Viewing angle (H / V):** 176 / 176 degree
- **Response time (typical):** 16 ms
- **White Chromaticity, 6500K:** x = 0.313 / y = 0.329
- **White Chromaticity, 9300K:** x = 0.283 / y = 0.297
- **Maximum Resolution:** 1920 x 1200 @ 60Hz
- **Recommended Resolution:** 1920 x 1200 @ 60Hz
- **Factory Preset Modes:** 20 modes
- **User definable modes:** 15 modes
- **Horizontal Scanning Frequency:** 30 - 94 kHz
- **Refresh Rate (V):** 56 - 85 Hz
- **Aspect ratio:** 16:10

### Connectivity

- **Audio input for PC:** 3.5mm Phone Jack x 2
- **Connector:** Universal Card Reader, USB 2.0
- **Other connections:** Stereo line out
- **Signal Input:** Analog (VGA), DVI-I

### Convenience

- **Built-in Audio:** 3 W RMS x 2 Stereo Speakers
- **Convenience Enhancements:** On-screen Display, SmartManage

- **Monitor Controls:** Auto, Brightness Control, Left/Right, Menu (OK), Power On/Off, Up/Down, Volume control
- **OSD Languages:** English, French, German, Italian, Simplified Chinese, Spanish, Japanese
- **Other convenience:** Kensington lock
- **Plug & Play Compatibility:** DDC CI, Windows 98/ME/2000/XP
- **Regulatory Approvals:** CE Mark, FCC-B, UL, CSA, NUTEK, Energy Star, SEMKO, TCO '03, TÜV/GS, TÜV Ergo
- **Swivel:** +/- 170°
- **Tilt:** -5° to 20°
- **VESA Mount:** 100 x 100 mm

### Accessories

- User Manual
- **Included Accessories:** AC Power Cord, DVI cable, PC audio cable, USB cable, VGA cable

### Dimensions

- **Dimensions (with base) (W x H x D):** 548 x 452 x 250 mm
- **MTBF:** 50,000 hrs
- **Relative Humidity:** 20% - 80%
- **Temperature range (operation):** 5°C to 35°C
- **Temperature range (storage):** -20°C to 60°C
- **Weight:** 9 kg

### Power

- **Complies with:** Energy Star, NUTEK
- **Consumption:** 90W (Typical)
- **Off Mode:** < or = 2 W
- **Power LED indicator:** Operation - Blue, Stand by/sleep - Amber
- **Power supply:** Built-in

## Product highlights

### WUXGA, wide format 1920 x 1200

Wide format of Ultra Extended Graphics Array, a display specification that is capable of displaying 1920 x 1200 resolution, or approximately 2.3 million pixels.

### Fast response time

Response time measures signal reaction speed in milliseconds. On/off response time measures the time required for the screen to turn from completely white to completely black and vice versa. Fast on/off response time improves display of text. Gray-to-gray response time measures the average time of transition between several sets of random gray levels - Lower numbers mean faster transitions. Faster is better because a fast response time eliminates visible image artifacts that could dampen your experience when viewing fast moving images or objects.

### Widest viewing angle

The widest viewing angle up to 176 degree provides the clearest display from any angle.

### Dual input

Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

### SmartManage enabled

SmartManage is a system for monitoring, managing and checking status of display devices as well as delivering remote support to users who experience difficulties - all accomplished over a LAN.

### Widescreen

A big, widescreen improves productivity by displaying two A4 pages side-by-side.

### Large viewing area

Viewing area is the visible portion of a monitor screen available for displaying data.

### Front connections

A USB 2.0 hub and an universal card reader (UCR) located on the front side of monitor for convenient and efficient access.

### Screen tilt and swivel

Screen tilt and swivel is a mechanism built into the base permits the monitor to swivel and tilt backward or forward.

### Universal card reader (UCR)

A UCR is a device that reads data from portable media and transfers data to PC. It reads data from SD/MMC, Memory Stick, Smart Media and two types of Compact Flash memory cards without an additional peripheral.

### USB connectivity solution

The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Because it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. By placing a USB 2.0 solution in a monitor, Philips provides a conveniently located, easy-to-use, high-speed USB connection for reading, writing, loading and transferring programs, data, digital media or music files to, from or among your PC and one or more USB devices.

### Built-in 6W speakers

A pair of high quality speakers with output power up to 3W x 2 (maximum) and 48W PMPO built into the stylish design to provide users the rich sound applications - without the cost and clutter of standalone speakers

### In-box DVI cable

A DVI cable is shipped with the product to provide high quality digital display.



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