



Philips  
LCD widescreen monitor

58 cm (23")  
WUXGA

230W5VS

## the smart way to boost productivity

Productivity pays: Look to the Philips 230W5 with SmartManage - remote, LAN-based monitor management - for professional motion picture, video, CD and DVD post production work that demands a big, wide screen, PiP and input source variety.

### **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
- 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

## 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-grey 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 display that 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.

### Video connection

Plugs to accommodate signal input from a variety of sources

### Picture In Picture (PIP)

Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

### 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.

### Embedded power supply

An embedded power supply is a power adaptor built into the body of a display device that replaces a bulky external power adaptor.

### VESA mounting holes

A unified industry standard for wall mounting IT equipment set by the Video Electronics Standards Association.

## 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 (H) x 0.258 (V) 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
- Optimum resolution: 1920 x 1200 @ 60Hz
- Factory Preset Modes: 20 modes
- User definable modes: 15 modes
- Horizontal Scanning Frequency: 30 - 94; 28 - 94 (YPbPr) kHz
- Refresh Rate (V): 56 - 85 Hz
- Aspect ratio: 16:10
- Picture enhancement: Picture in Picture, Progressive scan

### Connectivity

- Audio input for PC: 3.5mm Phone Jack x 2
- Audio input for video: Audio Left/Right (RCA x 2)
- AV 1: CVBS in, S-Video, YPbPr
- Other connections: Stereo line out
- Signal Input: VGA (Analog), DVI-I
- USB: USB 2.0
- Other video input: Component Video, S-Video

### Convenience

- Built-in Audio: 3W RMSx2 stereo speakers
- User convenience: On-screen Display
- 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 degree to +20 degree
- VESA Mount: 100 x 100 mm

### Accessories

- User Manual
- Included accessories: AC Power Cord, PC audio cable, USB cable, VGA cable, DVI-D 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 (On mode): 90W (Typical)
- Consumption (Off Mode): < or = 2 W
- Power LED indicator: Operation - Blue, Stand by/sleep - Amber
- Power supply: Built-in



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