



Philips  
LCD monitor

48 cm (19")  
SXGA

190X5FB

## design and performance count!

The ultimate display for your lifestyle! Ready to rock your world with stunning performance, the hot Philips 190X5 combines LightFrame™ Digital Reality for the multimedia adventure with cool, innovative cutting-edge design flair.

### Design that complements any interior

- Innovative, cutting-edge design makes a lifestyle statement!
- Stylish SmartTouch controls

### Outstanding front of screen performance

- 12ms On/off response time: Superior text and graphics display
- SXGA 1280 x 1024 resolution for sharper display
- sRGB ensures color matching between display and printouts
- ISO 13406-2 Class I compliant dot-defect-free display
- LightFrame™ DR maximizes your on-screen experience

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Embedded power supply eliminates external power adaptors
- CableGuide keeps cables in order and your space neat
- Enjoy multimedia experience with built-in speakers
- Play music from external audio devices even if the PC is off

# PHILIPS

# Highlights

## LightFrame™ DR

LightFrame™ Digital Reality is an integrated software and hardware solution for Philips high-end monitors that delivers high quality visual display enhancements to users through quick and convenient hardware or software interfaces.

## PerfectPanel™

Bright dots and dark dots are defects in a LCD panel. While some manufacturers still consider bright and dark defects in a LCD panel an inevitable part of the manufacturing process, Philips doesn't. Philips monitors, compliant with ISO 13406-2 Class I standard, are produced with zero tolerance for LCD panel defects and backed by Philips PerfectPanel™ globally valid warranty providing repair or replacement of any LCD monitors that display even a single defective bright or dark dot.

## SXGA, 1280 x 1024 resolution

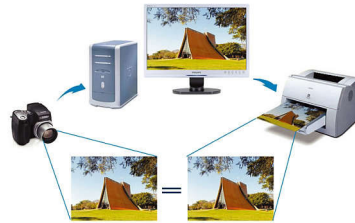
For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1280-by-1024 pixel screen is capable of displaying 1280 distinct dots on each of 1024 lines, or about 1.3 million pixels.

## 12ms response time (On-Off)

On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artifacts in the display of transition of text and graphics. On-Off response time is a more important measure in

the display of business content like documents, graphs and photos.

## sRGB ready



sRGB is an industry standard that ensures the best possible match between the colors displayed on your screen and those in your printouts.

## Innovative cutting-edge design

An exclusive design concept that combines smooth, flowing lines reminiscent fine modern sculpture with ultra modern materials and techno touches to create a monitor that makes a lifestyle statement.

## 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.

## Dual input



VGA connector



DVI connector

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

## Built-in 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.

## Stand-alone audio function

Built-in advanced firmware that delivers audio output from external audio devices including a portable tape, CD or MP3 player even when there is no video input.

## 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.

## CableGuide

A convenient set of cable guides built into the rear of Philips monitors that keeps cables untangled and organized cables, helping you maintain a tidy, well ordered space.



# Specifications

## Connectivity

- Audio output: Stereo Audio (3.5 mm jack) 1x
- Signal Input: VGA (Analog), DVI-D, PC Audio in
- Sync Input: Composite Sync, Separate Sync, Sync on Green

## Picture/Display

- Panel Size: 19"/ 48 cm
- LCD panel type: 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe
- Pixel pitch: 0.294 x 0.294 mm
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Brightness (nits): 250 nit
- Display colors: 16.2 M
- Contrast ratio (typical): 500:1
- Response time (typical): 12 ms
- Viewing angle: @ C/R &gt; 5
- Viewing angle (horizontal): 160 degree
- Viewing angle (vertical): 160 degree
- Picture enhancement: LightFrame™ Digital Reality
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Maximum Resolution: 1280 x 1024 @ 75Hz
- Effective viewing area: 376.3 x 301.1 mm
- Factory Preset Modes: 16 modes
- sRGB
- User definable modes: 16 modes
- Video Dot Rate: 140 MHz
- White Chromaticity, 6500K:  $x = 0.313$  /  $y = 0.329$
- White Chromaticity, 9300K:  $x = 0.283$  /  $y = 0.297$

## Convenience

- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP
- Built-in Audio: 3 W RMS x 2 Stereo Speakers
- User convenience: On-screen Display,

## SmartControl

- Monitor Controls: Auto, Brightness Control, Left/Right, LightFrame, Menu (OK), Power On/Off, Up/Down, Volume control
- Regulatory approvals: CE Mark, E2000, Energy Star, FCC-B, UL, CSA, MPR-II, Low Emission, SEMKO, GOST, TÜV-Ergo
- OSD Languages: English, French, German, Italian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Tilt: -5° to 20°
- Buttons and controls: LightTouch controls, Customized hot key, Side keys

## Power

- Power supply: Built-in, 90-264 VAC, 50/60 Hz
- Consumption (On mode): 35 W (Typical)
- Power LED indicator: Operation - green, Stand by/sleep - Amber
- Complies with: E2000, Energy Star, NUTEK
- Consumption (Off Mode): < 1 W

## Dimensions

- Weight: 7.2 kg
- Temperature range (operation): 5°C to 35°C
- Temperature range (storage): -20°C to 60°C
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Depth (with base): 181.4 mm
- Height (with base): 436.3 mm
- Width (with base): 443.8 mm

## Accessories

- Included accessories: AC Power Cord, Audio Cable, DVI-D cable, VGA cable
- User Manual

