# superb, big screen display
# for professional tasks

Professionals like you get more done with the 190P6: Digital LightFrame™ and the Perfect
Panel warranty for superb, big-screen performance, productivity-enhancing remote asset
management, advanced ergonomics and lead-free design.

**Maximum comfort for maximum productivity**
• 90 degree screen rotation and smart cable management
• Built-in high-speed USB 2.0 solution for easy connections
• Built-in speakers for audio without desktop clutter
• Stand-alone audio for efficient net conferencing
• Brightness automatically adjusts to ambient light

**Outstanding front of screen performance**
• Fast 8ms On/off response time:Great text & graphics display
• SXGA 1280 x 1024 resolution for sharper display
• Dual input accepts both analog VGA and digital DVI signals
• ISO 13406-2 Class I compliant dot-defect-free display
• LightFrame™ DR maximizes your on-screen experience

**Best total cost of ownership solution**
• SmartManage compatibility enables LAN-based asset management

# 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.

### 8ms 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.

### Dual input

VGA connector          DVI connector

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

### Super Ergo Base
The Super Ergo base is a monitor base that delivers ergonomic display comfort and provides intelligent cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; intelligent cable management reduces cable clutter and keeps the workspace neat and professional.

### 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.

### SmartBright
SmartBright is an exclusive Philips feature that employs a built-in sensor to automatically adjust display settings, delivering the very best viewing experience, reduced energy consumption and prolonged monitor life while eliminating bright-screen-dark-room and dark-screen-bright-room eyestrain fatigue - all without the bother of manually adjusting display brightness as room lighting conditions change.
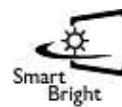
### Built-in speakers
A pair of stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

### Stand-Alone audio function
Built-in advanced firmware that delivers audio output even if there is no video input.

### 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.

LightFrame™     Perfect Panel     8ms     VGA dvi DualInput     SmartErgo Base     USBConnectivity     Smart Bright     Built-in Speaker     Plug & Play Multi-Touch     Lead Free

# Specifications

## Connectivity
- Audio output: Stereo Audio (3.5 mm jack) 1x
- Signal Input: VGA (Analog ), DVI-D, PC Audio in
- USB: USB 2.0
- 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 @ 60Hz
- Brightness (nits): 250 nit
- Display colors: 16.2 M
- Contrast ratio (typical): 600:1
- Response time (typical): 8 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
- Maximum Resolution: 1280 x 1024 @ 75Hz
- Effective viewing area: 376.3 x 301.1 mm
- Factory Preset Modes: 15 modes
- Refresh Rate (V): 56 - 76 Hz
- sRGB
- User definable modes: 50 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: 2 W RMS x 2 Stereo Speakers
- User convenience: On-screen Display, SmartManage enabled
- Monitor Controls: Auto, Brightness Control, Left/ Right, LightFrame, Menu (OK), Power On/Off, Up/ Down, Volume control
- Regulatory approvals: CE Mark, E2000, EMC, Energy Star, FCC-B, UL, CSA, SEMKO, TCO '99, TÜV/GS, TÜV Ergo
- OSD Languages: English, French, German, Italian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Swivel: +/- 65°
- Tilt: -5° to 25°
- VESA Mount: 100 x 100 mm

## Power
- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): 52.5W (Typical)
- Power LED indicator: Operation - Blue, Stand by/ sleep - Amber
- Complies with: E2000, Energy Star, NUTEK
- Consumption (Off Mode): &lt; 1 W

## Dimensions
- Height adjustment range: 130 mm
- Weight: 7.3 kg
- Temperature range (operation): 5°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Depth (with base): 210 mm
- Height (with base): 432 mm
- Width (with base): 425 mm

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

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