

## DVI-D/VGA Input (Dual Inputs) ... Experience the superior display quality of a true digital monitor.



- **19-inch Color LCD SXGA Monitor**

Enjoy excellent display performance providing an optimum resolution of 1280 x 1024 for amazing image clarity.

- **Ultra Slim Frame Design**

Delivers a front-to-back depth and bezel width that leads the industry.

- **Embedded Universal AC Power Supply**

Conveniently adapts to a variety of mounting configurations using a built-in power supply that eliminates the hassle of external power supplies.

- **Advanced AUTOMATIC Adjustment optimizes picture quality**

A perfect picture is only three seconds away. Philips auto adjustment provides optimal screen position and performance with the press of a single button.

- **Adjustable Tilt and Swivel Function**

Enjoy the most comfortable, productive viewing angle regardless of viewer's height or the placement of the monitor.

- **Adjustable Viewing Height**

You can position the screen to the most comfortable and productive viewing height using the height-adjustable base.

- **sRGB Compliance**

Eliminating color reproduction differences, sRGB compliance assures real life colors are consistently and precisely reproduced in CRT monitors, LCD panels, projectors and other devices.

- **Philips First Choice Program**

One-call support includes a comprehensive 3-year warranty with a 1-year 48-hour advance swap guarantee.



KEY TECHNOLOGIES

-   
190B4CS/94
- 
- 
-   
USB Module  
(Mist White Only)  
PCHU411
-   
Stealth Black Model  
190B4CB

# PHILIPS

**Product Number** 190B4CB/94 (Stealth Black)  
190B4CS/94 (Silver-Black)



**Technical Specifications**

**LCD**

- Panel TFT LCD
- Screen Size (inch/cm) 19 inch / 48.26 cm
- Pixel Pitch 0.294 x 0.294mm
- Display Format 1280 x 1024 pixels, RGB Vertical Stripe, Anti-glare Polarizer, Hard Coated
- Display Area 376.32 x 301.06mm
- Display Colors 16.7M colors

**Scanning**

- Vertical Refresh Rate 56 - 76 Hz
- Horizontal Frequency 30 - 82 kHz

**Video**

- Video Dot Rate 135 MHz
- Input Impedance -Video 75Ω
- Sync 2kΩ
- Input Signal Levels 0.7 Vp-p
- Sync Input Signal Separate Sync
- Composite Sync
- Sync on Green
- Sync Polarities Positive and Negative
- Video Interface D-Sub (analog) and DVI-D (digital) are available and user selectable. DVI-D (digital) is available only on 190B4CB/94 and 190B4CS/94. Models 190B4CB/74 and 190B4CS/74 are D-Sub (analog) only.
- Dual Input

**Optical Characteristics**

- Contrast Ratio 500 : 1 (typ.)
- Brightness 250 cd/m2 (typ.)
- Peak Contrast Angle 6 o'clock
- White Chromaticity x=0.283 y=0.297 (at 9300° K)
- x=0.313 y=0.329 (at 6500° K)
- Viewing Angle (C/R >10) H=170° Left ≥ 85°(typ.)
- Right ≥ 85°(typ.)
- V=170° Upper ≥ 85°(typ.)
- Lower ≥ 85°(typ.)
- Response Time ≤25 ms (typ.) (Tr ≤15ms, Tf ≤10ms)

**Resolution and Preset Modes**

- Max. Resolution 1280 x 1024 at 75Hz
- Recom. Resolution 1280 x 1024 at 60Hz
- 15 Factory Preset Modes:

Resolution	H.freq	V.freq
640 x 350	31.5(kHz)	70(Hz)
720 x 400	31.5	70
640 x 480	31.5	60
640 x 480	35.0	67
640 x 480	37.5	75
800 x 600	35.2	56
800 x 600	37.9	60
800 x 600	46.9	75
832 x 624	49.7	75
1024 x 768	48.4	60
1024 x 768	60.0	75
1152 x 870	69.0	75
1152 x 900	71.8	76
1280 x 1024	63.9	60
1280 x 1024	80.0	75

(Interlace mode is not supported)

**Plug and Play Compatibility**

- Display Data Channel DDC 2B (VESA)
- Microsoft®, Windows® Me/2000 XP Compatible

**Power Management**

- Complies with EPA Energy Star and NUTEK specifications
- Typical Operation 45W
- Sleep Mode 1W

**Low-Emission Characteristics**

- Complies with TCO '03 (190B4CS), TCO '99 (190B4CB), MPRII and prEN50279 (so call MPRII) specifications

**Monitor Controls and Functions**

- Front
 

Power on/off	-Tact Switch
OK	-Tact Switch
Auto	-Tact Switch
Up/Down (Brightness)	-Tact Switch
Left/Right	-Tact Switch
Steady Blue	-Power On
Amber	-Power Save/Off Mode
Flashing Blue	-New Mode

**Connections and Cables**

- Connections on Monitor Body
 

-Video	15-pin D-sub (analog)
-Power	IEC/CEE-22 Type Male Power Inlet
	D-Sub Video Cable, Power Cord

**Regulatory Approvals**

- TÜV/GS, TÜV-Ergo
- SEMKO
- CE Mark
- TCO '03 (190B4CS)
- FCC-B, UL, CSA
- prEN50279 Low Emission
- NUTEK, Energy Star
- TCO '99 (190B4CB)

**Physical Specifications**

- UPC Code 190B4CB/94 (Stealth Black) 0 37849 94087 7
- 190B4CS/94 (Silver-Black) 0 37849 94086 0
- Unit Dimensions (WxHxD) 16.8" x 14.9" x 9.3"
- 425 x 377 x 235 mm (incl base)
- 16.8" x 14.2" x 2.6"
- 425 x 377 x 235 mm (excl base)
- Unit Weight 17.4 lbs / 6.5 kg
- Carton Dimensions (WxHxD) 17.8" x 18.9" x 7.0"
- 450 x 480 x 176 mm
- Carton Weight 19.4 lbs / 8.81 kg
- Tilt -5°-35° / ±175°
- Height Adjustment Range 70mm
- Power Supply 100 - 240 VAC, 50/60Hz
- Power Consumption 45W\* (typ.)
- Temperature (operating) +5°C to +35°C / 41°F to 95°F
- Temperature (storage) -20°C to +60°C / -4°F to 140°F
- Relative Humidity 20% to 80%
- System mthf 50K hrs (excluding CCFL 40K hrs)

\* Resolution 1280x1024, standard size, contrast max., brightness 50%, 9300°K, Full white pattern, without Audio. We recommend using 1280 x 1024 at 60Hz non-interlaced mode for the best picture quality

**User Options Accessories (sold separately)**

- USB module PCHU411 (Mist White)

**Carton Contains:** 190B4 Monitor, power cord, and user's manual on CD.

INTERNET ADDRESS: <http://www.philips.com>  
TECHNICAL SUPPORT: (877) 835-1838 (USA)  
(402) 536-4171 (outside USA)

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**Literature Order Number:** 190B4CB/94 / 190B4CS/94

