

19" (18.0" VIS) Real Flat monitor



**Dare to compare - LightFrame™ 3 for the sharpest and brightest displays ever!**

- **LightFrame™ 3 - Double normal brightness**
- **19-inch (18.0" VIS) Real Flat color monitor with excellent front of screen performance for use with MACs and PCs**
- **Autoscan covers horizontal frequencies up to 97 kHz offering a maximum resolution of 1920 x 1440 with flicker free display of 1280 x 1024 at up to 90 Hz**
- **Real Flat High Contrast CRT with high-resolution 0.25 mm dot pitch (0.21 hdp)**
- **XSD-Xtra Space Design for large screen display in a small foot print: World's shortest 19-inch Real Flat shadow mask monitor with maximum depth of only 449 mm/17.6"**
- **TCO '03 certified**



**PHILIPS**

# 19" (18.0" VIS) Real Flat monitor



## Technical Specifications

### CRT

- Size (inch/cm) 19"/46 cm
- Deflection angle (degrees) 90°
- Dot pitch 0.25 mm
- Horizontal pitch 0.21 mm
- -Tube type Shadow mask, Real Flat, High Contrast, Anti Glare, Anti Static, Anti reflection, Light Transmission 45%
- Phosphor P22
- Recom. display area(mm) 355 x 265 mm
- Recom. display area(inch) 14" x 10.4"
- Max. display area(mm) 360 x 270 mm
- Max. display area(inch) 14.4" x 10.8"

### Scanning

- Horizontal scanning 30 - 97 kHz
- Vertical scanning 50 - 160 Hz

### Video

- Video dot rate 250 MHz
- Input impedance -Video 75 Ohm
- -Sync 2.2k Ohm
- Input signal level 0.7 Vpp
- Sync input signal Separate sync Composite sync
- Sync polarities Positive and negative

### White color temperature

Chromaticity CIE coordinates:

- at 9300 K: x=0.283, y=0.297
- at 6500 K: x=0.313, y=0.329
- at 5500 K: x=0.332, y=0.347

### Resolution and preset modes

- Max. resolution 1920 x 1440
  - Recom. resolution 1280 x 1024
  - 16 user definable modes
  - 33 factory modes:
- |             | H.freq (kHz) | V.freq (Hz) |
|-------------|--------------|-------------|
| 640 x 480   | 31.5K        | 60          |
| 640 x 480   | 37.9K        | 72          |
| 640 x 480   | 37.5K        | 75          |
| 640 x 480   | 43.3K        | 85          |
| 640 x 480   | 50.6K        | 100         |
| 720 x 400   | 31.5K        | 70          |
| 720 x 400   | 37.9K        | 85          |
| 800 x 600   | 37.9K        | 60          |
| 800 x 600   | 48.1K        | 72          |
| 800 x 600   | 46.9K        | 75          |
| 800 x 600   | 53.7K        | 85          |
| 800 x 600   | 63.9K        | 100         |
| 832 x 624   | 49.7K        | 75          |
| 1024 x 768  | 48.4K        | 60          |
| 1024 x 768  | 56.5K        | 70          |
| 1024 x 768  | 60.0K        | 75          |
| 1024 x 768  | 68.7K        | 85          |
| 1152 x 864  | 67.5K        | 75          |
| 1152 x 864  | 77K          | 85          |
| 1152 x 870  | 68.7K        | 75          |
| 1152 x 900  | 71.8K        | 76          |
| 1280 x 960  | 60.0K        | 60          |
| 1280 x 960  | 85.9K        | 85          |
| 1280 x 1024 | 64.0K        | 60          |
| 1280 x 1024 | 80.0K        | 75          |
| 1280 x 1024 | 91.1K        | 85          |
| 1600 x 1200 | 75.0K        | 60          |
| 1600 x 1200 | 81.3K        | 65          |
| 1600 x 1200 | 87.5K        | 70          |
| 1600 x 1200 | 93.8K        | 75          |
| 1792 x 1344 | 83.6K        | 60          |
| 1856 x 1392 | 86.3K        | 60          |
| 1920 x 1440 | 90.0K        | 60          |

### Plug and play compatibility

- Display Data Channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/Me & 2000/NT/XP compatible
- sRGB

### Power management

- Complies with EPA Energy Star and NUTEK specifications
- Operation 75 W (typical)
- Off mode/Deep Sleep < 1 W

### Low-emission characteristics

- Complies with MPR-II and TCO '03 specifications

### Monitor controls and functions

- Main 3-button OSD  
Brightness +/- direct access  
Contrast +/- direct access
- On Screen Display Language (English, Spanish, French, German, Italian, Chinese, Portuguese, Korean), zoom, horizontal, vertical, pin cushion, balanced, trapezoid, parallelogram, color, reset, degauss, moiré, serial number, resolution, frequency, sRGB
- LightFrame™3 For improving the picture display of multimedia content such as photos, videos and games. Boosts brightness and sharpness performance in user selected screen areas/windows. For an enhanced web browsing experience, automatically detects graphic content in Internet Explorer. Can process up to 16 images simultaneously. One-button full screen screen mode. Advanced user adjustments from Windows control panel. Easy to use control software for Windows 98, ME, XP and 2000. Software in English, French, German, Spanish, Italian, Portuguese, Dutch, Chinese and Korean

### Connections and cables

- Connections on monitor body -Video 15-pin D-Shell
- Cables D-Sub Video cable(fixed), power cord

### Regulatory approvals

- TCO '03
- MPR-II Low Emission
- TÜV/GS, TÜV/Ergo
- FCC-B, UL, CSA, DHHS
- SEMKO, Poland-B sign, C-Tick
- CE, BSMI, PSB
- NUTEK, Energy Star

### Physical specifications

- Dim. incl. base (WxHxD) 440 x 433 x 449 mm
- Dim. incl. base (WxHxD) 17.3" x 17.0" x 17.6" inch
- Dim. excl. base (WxHxD) 440 x 383 x 449 mm
- Dim. excl. base (WxHxD) 17.3" x 15.1" x 17.6" inch
- Weight 20 kg
- Power supply Please refer to rating label
- Temperature (operational) 0°C to 40°C/ 32°F to 104°F
- Temperature (storage) -25°C to 65°C/ -13°F to 149°F
- Relative humidity 5% to 95%
- MTBF > 75,000 H

As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency. Microsoft and Windows are registered trademarks of Microsoft Corporation. MacOS is a registered trademark of Apple Computer, Inc.

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Release date: January 2004  
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