

14" (13.3" VIS) monitor

104S₁₉

Product description

- 14" (13.3" VIS) color monitor for 386/486/Pentium® PCs
- DDC I/2B (VESA standard) function allows bi-directional communication between the monitor and PC for optimal video configuration
- Handles resolutions up to 1024 x 768 non-interlaced
- Autoscan covers wide range of scanning frequencies from 30 to 54 KHz offering flicker-free display with high refresh rates up to 87 Hz in 800 x 600 or 68 Hz in 1024 x 768
- Fine 0.24 mm horizontal pitch
- NUTEK, EPA, CE, FCC & ISO9241 certified



Plug
and
Play



(at selected countries)



Let's make things better.



PHILIPS

Technical Specifications

CRT

- Size (inch/cm) 14"/ 36 cm
- Deflection angle (degrees) 90°
- Dot pitch/ Grille pitch 0.28 mm
- Horizontal pitch 0.24 mm
- Tube type Shadow mask
Light Transmission 57%
- Phosphor P22
- Recom. display area(mm) 250 x 188 mm
- Recom. display area(inch) 9.8" x 7.4"
- Max. display area(mm) 274 x 201 mm
- Max. display area(inch) 10.8" x 7.9"

Scanning

- Horizontal scanning 30 - 54 KHz
- Vertical scanning 50 - 120 Hz

Video

- Video dot rate 65 MHz
- Input impedance
- Video 75 Ohm
- Sync 2.2k Ohm
- Input signal levels 0.7 Vpp
- Sync input signal Separate sync
- Sync polarities Positive and negative

White color temperature

Chromaticity CIE coordinates:

- at 9300 K: x=0.281, y=0.311

Resolution and preset modes

- Max. resolution 1024 x 768
 - Recom. resolution 800 x 600
 - 10 user definable modes
 - 6 factory preset modes:
- | | H.freq (kHz)/ V.freq (Hz) |
|------------|---------------------------|
| 640 x 400 | 31.5K/70 |
| 640 x 480 | 31.5K/60; 37.5K/75 |
| 800 x 600 | 46.9K/75; 53.7K/85 |
| 1024 x 768 | 48.4K/60 |

Plug and play compatibility

- Display Data Channel DDC 1/2B
- Microsoft®, Windows® 95/98 compatible

Power management

Complies with EPA Energy Star and NUTEK specifications

- Operation (typ.) 70 W
- Suspend/Stand By mode (typ.) < 15W
- Off mode/ Deep Sleep < 8 W

Monitor controls and functions

- Front Power on/off
Contrast
Brightness
- Digital push buttons Increase, Decrease, H-shift,
H-size, V-shift, V-size, Shift to
second level
Trapezoid, Pincushion, Recall

Connections and cables

- Connections
- Video 15-pin D-Shell
- Cables Video(fixed) and Power

Regulatory approvals

- TÜV/9241-3
- FCC-B, UL, CSA, DHHS
- SEMKO, Poland-B sign, C-Tick
- VCC-1, CE, BCIQ, PSB

Physical specifications

- Dim. incl. base (WxHxD)(mm) 347 x 360 x 367
- Dim. incl. base (WxHxD)(inch) 13.7" x 14.2" x 14.4"
- Dim. excl. base (WxHxD)(mm) 347 x 310 x 367
- Dim. excl. base (WxHxD)(inch) 13.7" x 12.2" x 14.4"
- Weight (kg) 9.2 kg
- Power supply 90 - 264 VAC, 50/60Hz
- Temperature (operational) 0°C to +40°C/ 32° to 104°F
- Temperature (storage) -25°C to +65°C/ -13° to 149°F
- Relative humidity 5% to 95%
- MTBF (excl. CRT) > 50,000 H

Other

- USB Hub option type: PCUH411

This monitor fulfills all Nutek requirements regarding power management
Philips is a partner in the EPA's Energy Star Computers Program.
As an Energy Star partner, Philips has determined that this product meets the Energy Star
guidelines for energy efficiency.
Brilliance is a registered trademark of Philips Electronics N.V.
MAC is a registered trademark of Apple Computer, Inc.
MS-DOS is a registered trademark and Windows® 95/98/NT is a trademark of Microsoft Corp.
All trademark acknowledged. Copyright ©1999 Philips Electronics N.V.

All data subject to change without notice

Release date: March 2000

www.pcstuff.philips.com