



BRILLIANCE

21" (20.0" VIS) Real Flat monitor

Product description

- 21-inch (20.0"VIS) Real Flat color monitor featuring ICE technology for excellent front of screen performance for use with MACs, PCs and Workstations
- Autoscan covers horizontal frequencies up to 121 kHz offering a maximum resolution of 2048 x 1536 with flicker free display of 1600 x 1200 at up to 97 Hz
- Real Flat Aperture Grille CRT with high-resolution 0.24 mm uniform grille pitch
- Auto Calibrate extends the useful life of the monitor by automatically adjusting color and luminance to original values
- Large screen display in a small footprint: World's shortest 21-inch Flat monitor with maximum depth of only 466 mm / 18.3"
- Outstanding ease of use thanks to CustoMax® monitor control software via USB
- TCO99, E2000, NUTEK, EPA, FCC, CE, ISO9241 and ISO14001 certified

CustoMax® control via USB



Optional USB HUB PCUH411



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PHILIPS

21" (20.0" VIS) Real Flat monitor



Technical Specifications

CRT

- Size (inch/cm) 21"/ 51 cm
- Deflection angle (degrees) 90°
- Grille pitch 0.24 mm uni-pitch
- Tube type Aperture grille, Real Flat, High Contrast, Anti Glare, Anti Static, Anti reflection, Light Transmission 41%
- Phosphor B22
- Recom. display area(mm) 392 x 294 mm
- Recom. display area(inch) 15.4" x 11.6"
- Max. display area(mm) 406 x 305 mm
- Max. display area(inch) 16.0" x 12.0"

Scanning

- Horizontal scanning 30 - 121 kHz
- Vertical scanning 50 - 160 Hz

Video

- Video dot rate 320 MHz
- Input impedance
- Video 75 Ohm
- Sync 2.2k Ohm
- Input signal levels 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 2048 x 1536
- Recom. resolution 1600 x 1200
- GTF
- 16 user definable modes
- 39 factory preset modes:

	H.freq (kHz)/V.freq (Hz)
640 x 350	31.5K/70; 37.9K/85
640 x 480	31.5K/60; 37.9K/72; 37.5K/75; 43.3K/85; 50.6K/100
720 x 400	31.5K/70; 37.9K/85
800 x 600	37.9K/60; 48.1K/72; 46.9K/75; 53.7K/85; 63.9K/100
832 x 624	49.7K/75
1024 x 768	48.4K/60; 56.5K/70; 60.0K/75; 68.7K/85
1152 x 864	67.5K/75
1152 x 870	68.7K/75
1152 x 900	71.8K/76
1280 x 960	60.0K/60; 85.9K/85
1280 x 1024	64.0K/60; 80.0K/75; 91.1K/85
1600 x 1200	75.0K/60; 81.3K/65; 87.5K/70; 93.8K/75; 106.3K/85
1792 x 1344	83.6K/60; 106.3K/75
1856 x 1392	86.3K/60
1920 x 1440	90.0K/60; 112.5K/75
2048 x 1536	95.8K/60; 120.5K/75

Plug and play compatibility

- Display Data Channel DDC 1/2B
- Microsoft® Windows® 95/98/NT/2000 compatible

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/2000 is a trademark of Microsoft Corp. All trademark acknowledged. Copyright © 2000 Philips Electronics N.V.

Power management

- Operation (typ.) 124 W
- Suspend/Stand By mode (typ.) < 7 W
- Off mode/ Deep Sleep < 2.8 W

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Monitor controls and functions

- Main 5-button OSD
Brightness +/- direct access
Contrast +/- direct access
Input selection direct access
- On Screen Display Language (English, Spanish, French, German, Italian), zoom, horizontal, vertical, pincushion, balanced, trapezoid, parallelogram, color, reset, degauss, moire, serial number, resolution, frequency
Convergence, purity
Input selection
Auto Calibrate
- CustoMax® via USB Adjustments, test patterns, on screen help
- Auto Calibrate Automatic and manual calibration of color temperature, brightness and contrast levels to original setting.

Connections and Cables

- Connections
- Video 15-pin D-Shell/ 5 BNC
- USB upstream port
- Cables Video, Power and USB

Regulatory approvals

- TCO '99
- MPR-II Low Emission
- TÜV/GS, TÜV-Ergo, TÜV-9241-3
- FCC-B, UL, CSA, DHHHS
- SEMKO, Poland-B sign, C-Tick
- VCC-I, CE, BCIQ, PSB

Physical specifications

- Dim. incl. base (WxHxD)(mm) 501 x 501 x 466
- Dim. incl. base (WxHxD)(inch) 19.7" x 19.7" x 18.3"
- Dim. excl. base (WxHxD)(mm) 501 x 461 x 466
- Dim. excl. base (WxHxD)(inch) 19.7" x 18.1" x 18.3"
- Weight (kg) 28.5 kg
- Power supply 90 - 264 VAC, 50/60Hz
- Temperature (operational) 0°C to 35°C/ 32°F to 95°F
- Temperature (storage) -25°C to 65°C/ -13°F to 149°F
- Relative humidity 5% to 95%
- MTBF (excl. CRT) > 75,000 H

Other

- USB Hub option type: PCUH411

All data subject to change without notice
Release date: June 2000
www.philips.com

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