



21" (20.0" VIS) XSD™ monitor

Product description

- 21-inch (20.0"VIS) color monitor with excellent front of screen performance for use with MACs, PCs and Workstations
- Autoscan covers horizontal frequencies up to 107 kHz offering a maximum resolution of 1920 x 1440 with flicker free display of 1600 x 1200 at up to 86 Hz
- Flat Square Super High Contrast CRT with high-resolution 0.25 mm pitch (0.21 hdp)
- Auto Calibrate extends the useful life of the monitor by automatically adjusting color and luminance to original values
- XSD - Xtra Space Design™ for large screen display in a small footprint: World's shortest 21-inch monitor with maximum depth of only 467 mm / 18.4"
- 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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21" (20.0" VIS) XSD™ monitor



Technical Specifications

CRT

- Size (inch/cm) 21"/ 51 cm
- Deflection angle (degrees) 90°
- Dot pitch 0.25 mm
- Horizontal pitch 0.21 mm
- -Tube type Shadow mask, Flat Square, Super High Contrast, Anti Glare, Anti Static, Anti reflection
- Light Transmission 43%
- P22
- Phosphor P22
- 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 - 107 kHz
- Vertical scanning 50 - 160 Hz

Video

- Video dot rate 261 MHz
- Input impedance -Video 75 Ohm
- -Sync 2.2k Ohm
- Input signal levels 0.7 Vpp
- Sync input signal Separate sync
- Sync polarities 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 1600 x 1200
 - GTF
 - 16 user definable modes
 - 36 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 |

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. 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.) 104 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
- 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 upstream port
- -USB
- Cables Video, Power and USB

Regulatory approvals

- TCO '99
- MPR-II Low Emission
- TÜV/GS, TÜV-Ergo, TÜV-9241-30
- FCC-B, UL, CSA, DHHS
- SEMKO, Poland-B sign, C-Tick
- VCC-I, CE, BCIQ, PSB

Physical specifications

- Dim. incl. base (WxHxD)(mm) 482 x 476 x 467
- Dim. incl. base (WxHxD)(inch) 19.0" x 18.7" x 18.4"
- Dim. excl. base (WxHxD)(mm) 482 x 437 x 467
- Dim. excl. base (WxHxD)(inch) 19.0" x 17.2" x 18.4"
- Weight (kg) 28.0 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

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