



15" TFT LCD XGA monitor

Product description

- 15" color LCD monitor with excellent display performance
- Analog video interface with advanced one touch AUTO adjustment for full compatibility with standard video cards.
- Wide Viewing Angle technology
- Optional protective cover to prevent LCD screen damage
- TCO99, E2000, NUTEK, EPA, FCC, CE, ISO9241 and ISO14001 certified



Optional Protective Cover



VESA Wall Mount kit



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PHILIPS

15" TFT LCD XGA monitor



Technical Specifications

LCD panel

- Type TFT LCD
- Screen size 15 inch / 38.1 cm diagonal
- Pixel pitch 0.297 x 0.297mm
- LCD panel type 1024 x 768 pixels, R.G.B vertical stripe
- Effective viewing area 304.1 x 228.1mm
- Display colors 8 bits interface (16M colors)

Scanning

- Vertical refresh rate 56~75 Hz
- Horizontal frequency 31~60 KHz

Video

- Video dot rate 80 MHz
- Input impedance
 - video 75 ohm
 - Sync 2K ohm
- Input signal levels 0.7 Vpp
- Sync input signal Separate sync
- Sync polarities Composite sync
- Video interface Sync on green
- Sync polarities Positive and negative
- Video interface Analog (D-Sub) input only

Optical characteristics

- Contrast ratio 250 (typ.)
- Brightness 210 cd/m² (typ.)
- White chromaticity x: 0.281 y: 0.311 (at 9300°K)
- Viewing angle (C/R ≥5) x: 0.312 y: 0.338 (at 6500°K)
 - Upper ≥ 50°(typ.)
 - Lower ≥ 55°(typ.)
 - Left ≥ 75°(typ.)
 - Right ≥ 75°(typ.)
- Response time <50 ms (typ.)

Resolution & preset modes

- Maximum 1024x768 at 75Hz
 - Recommended 1024x768 at 60Hz
 - 14 user definable modes
 - 14 factory preset modes:
- | | H.freq (KHz)/ V.freq (Hz) |
|------------|------------------------------------|
| 640 x 350 | 31.5/70 |
| 720 x 400 | 31.5/70 |
| 640 x 480 | 31.5/60, 35.0/67, 37.8/73, 37.5/75 |
| 800 x 600 | 35.2/56, 37.9/60, 48.0/72, 46.9/75 |
| 832 x 624 | 49.7/75 |
| 1024 x 768 | 48.4/60, 56.5/70, 60.0/75 |
- (Interlace mode is not applicable)

Plug and play compatibility

- Display data channel DDC 1/2B (VESA)
- Microsoft® Windows® 95/98/NT/2000/Me compatible

Power management

- Complies with EPA Energy Star and NUTEK specifications
- Typical operation 27W
- Sleep mode 3W

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Monitor controls and functions

- Front
 - Power on/off - push button
 - OSD (OK) - push button
 - Auto - push button
 - Up/Down (Brightness) - push button
 - Left / Right - push button
- LED indicator
 - Green power on
 - Amber sleep mode
 - Flashing Green new mode

Connections and cables

- Connections
 - Video 15-pin D-sub (analog)
 - DC input 6.5mm DC connector
 - Power External 18V AC/DC Adapter
- Cables D-Sub Video and Power

User options Accessories (sold separately)

- Protective cover
- VESA Wall Mount Kit

Regulatory approvals

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '99

Physical specifications

- Dimension (WxHxD) 387 x 375 x 182 mm (incl. Pedestal)
- Tilt / Swivel -5°~35° / ±45°
- Weight 5.0 Kg
- Power supply 100 - 240 VAC, 50/60 Hz
- Power consumption 27 W* (typ.)
- Temperature (operating) +5°C to +35°C
- Temperature (storage) -20°C to +60°C
- Relative humidity 20% to 80%
- System MTBF 35K hrs (excluding LCD panel, CCFL)

* Resolution 1024 x 768, standard size, contrast max., brightness 50%. 9300°K, full white pattern.

We recommend using 1024 X 768 at 60Hz non-interlaced mode for the best picture quality. This monitor fulfills all nutek requirement 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 Koninklijke Philips Electronics N.V. MS-DOS and Windows 95/98/NT/2000 are trademarks of Microsoft Corp. All trademark acknowledged. Copyright 2000 Koninklijke Philips Electronics N.V.™

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Release date: January 2001
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