



15" TFT LCD XGA monitor

Product description

- *15" color LCD monitor with exclusive executive design and excellent display performance*
- *New DVI standard for both digital and analog interface*
- *Front firing speakers with 36W PMPO stereo sound output*
- *Sliding height adjustment for the best viewing position*
- *Wide Viewing Angle technology*
- *AUTO adjustment automatically optimizes picture quality*



Optional: Matching cordless keyboard and mouse. English (US & British), French, German and Italian versions available.



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PHILIPS

15" TFT LCD XGA monitor



Technical Specifications

LCD panel

- Type TFT LCD
- Screen size 15 inch / 38.4 cm diagonal
- Pixel pitch 0.297 x 0.297mm
- LCD panel type 1024 x 768 pixels, R.G.B vertical stripe
- Effective viewing area Anti-glare polarizer, hard coated
- Display colors 304.1 x 228.1mm
- 8 bits interface (16M colors)

Scanning

- Vertical refresh rate 50~75 Hz
- Horizontal frequency 30~61 kHz

Video

- Video dot rate (Max.) 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
- Positive and negative
- Dual input: DVI-I (Digital & Analog, Integrated)

Audio

- Input signal level 0.7 Vpp
- Headphone out signal level 32 Ohm 20+20 mW
- Input signal connector 3.5mm mini jack
- Loudspeaker 2+2W stereo front firing (PMPO:36W)

Microphone

- Sensitivity -55dB re 1 V/ μ bar at 1 kHz
- Output impedance 2.2K Ohm max
- Directivity -5dB at 180°
- Frequency range 300 Hz ~ 3 KHz

Optical characteristics

- Contrast ratio 300 (typ.)
- Brightness 250 cd/m² (typ.)
- Peak contrast angle 6 o'clock
- White chromaticity
 - x: 0.281 y: 0.311 (at 9300°K)
 - x: 0.312 y: 0.338 (at 6500°K)
- Viewing angle (C/R >5)
 - Upper $\geq 60^\circ$ (typ.)
 - Lower $\geq 75^\circ$ (typ.)
 - Left $\geq 80^\circ$ (typ.)
 - Right $\geq 80^\circ$ (typ.)
- Response time ≤ 40 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 compatible

We recommend using 1024 x 768 at 60Hz non-interlaced mode for the best picture quality. As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.

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Power management

- Complies with EPA Energy Star and NUTEK specifications
- Typical operation 23W
- Sleep mode 3W

Low-emission characteristics

- Complies with MPR-II and TCO '95 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

Multimedia Base controls & function

- Side
 - Power on/off & Volume adjustment - pop-out rotary
 - Bass - push button
 - Green power on
 - Amber stand by / sleep mode
 - Flashing Green new mode
- LED indicator

Connections and cables

- Connections
 - Video DVI-I (Digital & Analog)
 - DC input 6.5mm DC connector
 - Audio in & Mic out 3.5mm audio and Mic jack
 - Head phone 3.5mm headphone jack built-in
 - Power External 18V AC/DC adapter
- Cables DVI-I Video, Audio, Microphone and Power

Regulatory approvals

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '95

Physical specifications

- Dimension (WxHxD) 393.6 x 364.8 x 206 mm (incl. Pedestal)
- Tilt -5°~25°
- Weight 5.3 Kg
- Power supply 100 - 240 VAC, 50/60 Hz
- Power consumption 23 W* (typ.)
- Temperature 5°C to 35°C (operating)
- -20°C to 60°C (storage)
- Relative humidity 20% to 80%
- System MTBF 50K hrs (excluding LCD panel, CCFL)

* Resolution 1024 x 768, standard size, contrast max., brightness 50%. 9300°K, full white pattern, without Audio

All data subject to change without notice

Release date: August 2001

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